

DESPERATION SHOT ANSWERS  
GACFEDIJBH QOVTNSRPUW 1632

1. Interdisciplinary Worksheet #1

ANSWERS: Aldous Huxley/Matthew Arnold/CaCO<sub>3</sub>/Gypsum/America The Beautiful/Bates College/Robert Kennedy

2. Pyramidal Math (10 Seconds)

It is one of several theorems that can be derived from the Pythagorean Theorem, but the easiest way to derive it is to write the Law of Cosines twice, taking advantage of the fact that the angles used in the equations are supplementary. You can then multiply each equation by a different length and add them to cancel out the angles. This theorem, named after an 18<sup>th</sup> Century Scot, gives a relationship between lengths when a single Cevian is drawn. It can be written  $N^2 \times A^2 + M^2 \times B^2 = C^2 \times D^2 + M^2 \times N^2$ . Name this theorem that gives a relationship between the lengths of the sides of a triangle to the lengths created by a segment going through the triangle.

ANSWER: Stewart('s Theorem) (or Apollonius('s Theorem))

3. World Literature

At one point in this novel, one of the characters shoots his dog and commits suicide by swimming away. It takes place on Coulibri Estate, which is near Spanish Town in Jamaica. The prequel to a book written over one hundred years earlier, this book explains how Rochester met Antoinette, who became the crazywoman in the attic in Jane Eyre. Name this novel by Jean Rhys.

ANSWER: Wide Sargasso Sea

4. Current Events

This politician is associated with a phrase meaning, "Freedom is better than non-freedom." He delivered his first State of the Union address earlier this month, in which he blamed the United States for acting unilaterally and being intolerant to criticism. In August, he announced a foreign policy doctrine that included a policy of not seeking confrontation with other nations, but many people around the world do not believe him. He assumed power in May, replacing a man he had worked under for many years. Name this former Chairman of Gazprom who is currently the President of Russia.

ANSWER: (Dmitry) Medvedev

### 5. Biology

This type of cancer may be linked to substances such as vinyl chloride, wood preservatives, and herbicides. It accounts for many primary bone cancers, especially those in extremities, and can arise in cartilage. It often is found in muscles, nerves, and other soft or connective tissues. Identify this cancer whose name means fleshy growth.

ANSWER: Sarcoma

### 6. Music

One of his most successful operas concerns the upcoming wedding of Isoletta and Count Arturo of Ravenstal. The aria *A te, o cara, amor talora* is heard in his final opera, which is set during the English Civil War. One of his title characters has two children by a man who falls in love with a young priestess. Name this 19<sup>th</sup> Century composer of bel canto operas who completed *La Straniera*, *I Puritani*, and *Norma*.

ANSWER: (Vincenzo) Bellini

### 7. United States History

It consisted of a single sentence written by Jacob Brinkerhoff. Many members of Congress thought it was premature, and it never passed in the Senate even though the House approved it in 1846 and 1847. On both occasions, it was a condition attached to monetary requests from President Polk for the Mexican War. Name this attempt to prevent slavery in new states.

ANSWER: Wilmot Proviso

### 8. Physics (60 Seconds)

Find the speed in meters per second of a charged particle moving around a cyclotron if the particle has a charge of ten to the negative first coulombs and a mass of ten to the negative second kilograms, the cyclotron has a magnetic field of ten to the negative third Teslas, and the particle is spinning with a radius of ten to the negative first meters.

ANSWER:  $1/100$  (or ten to the negative second) (Meters Per Second)

### 9. Vocabulary

In economics, this adjective is often contrasted with the word 'real' and is used when calculations do not correct for inflation. In general, it refers to a word or group of words functioning as a noun. It can also refer to trivial amounts, such as the payment in a lawsuit where the defendant was guilty but no harm was done. Give this seven-letter word beginning with the letter N.

ANSWER: Nominal

#### 10. Religion/Mythology

A god of craftsmen and creation, he was closely associated with the opening of the mouth ceremony. His association with craftsmen caused his name sometimes to be linked with Seker, and his association with death caused his name sometimes to be linked with Osiris. Name this chief god of Memphis whose name helped form the name of Egypt.

ANSWER: Ptah (or Peteh)

#### 11. Pop Culture

He was the youngest player in the Major Leagues in 2002, pitching in only five-and-two-thirds innings and not getting any wins or saves during the regular season. However, he pitched eighteen-and-two-thirds innings during the playoffs, earning his first five career victories and helping his team win the World Series. During the 2005 playoffs, he was the only pitcher to earn a save against the White Sox. Name this pitcher for the Los Angeles Angels who set the record this year for saves in a single season.

ANSWER: (Francisco) Rodriguez

#### 12. Geometry/Trigonometry (60 Seconds)

Ignore units. Find the area of the shape enclosed by the following four points: (1,0), (0,1), (3,4), and (2,1).

ANSWER: 4

#### 13. Nonfiction

He was taught in Alexandria by Ammonius Saccas and spent his last twenty-five years in Rome. His works were organized by his student Porphyry into six groups of nine treatises each. His works focus on interpreting Plato and defending Plato from his critics, and they were written about six hundred years after Plato wrote his dialogues. Name this author, often classified as the first Neo-Platonist, who wrote The Enneads.

ANSWER: Plotinus

#### 14. British Literature

This character tells a story about Nicholas, a student infatuated with Alison. Unfortunately, Alison is also pursued by Absolon and is married to John, a carpenter and landlord. Nicholas gets John out of the way by predicting that a second Noah's flood is coming, requiring him to sleep in a tub suspended from the ceiling. Before he tells this tale, this character is criticized by the Host and the Reeve. Name this drunken character who tells the second Canterbury Tale.

ANSWER: (The) Miller

15. Geography/Earth Science/Astronomy

Located off the Northwest corner of this island are Rebun Island and La Perouse Strait. Its southern end is connected to a more populous island by the longest undersea tunnel in the world, the Seikan Tunnel. Its biggest cities are Hakodate, Asahikawa, and Sapporo. Name the second largest Japanese Island, which is North of Honshu.

ANSWER: Hokkaido (or (Ainu) Mosir)

16. Algebra (60 Seconds)

Find both solutions to the equation the square root of the quantity three x plus one end quantity minus the square root of the quantity x minus one end quantity equals two. It is recommended that you separate the radicals, and, since I already told you that there are two solutions, you do not need to check for extraneous solutions.

ANSWER: 1 & 5 (either order)

17. Art/Architecture

One of his earliest surviving works is a fresco of John Hawkwood in the Florence Cathedral. He also made a pair of frescoes illustrating the Biblical flood and its recession. A famous series of three paintings by him are now on display at the London National Gallery, Uffizi, and Louvre. Name this student of Ghiberti who painted the Battle of San Romano.

ANSWER: (Paolo) Uccello

18. Chemistry

This one-word name is shared by two isomers. The first is a primary alcohol made by the oxidation of aliphatic hydrocarbons that can be used in perfume. The second is the simplest example of a secondary alcohol and is made by hydrogenating a particular petroleum product. It often is used in cleaning and as a solvent and has similarities to acetone. Give the name shared by these isomers, the second of which often is used in rubbing alcohol.

ANSWER: Propanol

19. United States Literature

His first big success was about Peter and Jerry, two men who talk for a while in Central Park. Another one of his plays was about a history professor at New Carthage University and his wife, who have a very troubled marriage and have Nick and Honey at their house as guests. Name this playwright who wrote The Sandbox, A Delicate Balance, The Zoo Story, and Who's Afraid of Virginia Woolf?

ANSWER: (Edward) Albee

## 20. World History

This battle began with Genoese crossbowmen commanded by King John of Bohemia, who were quickly slaughtered. Their allies, French cavalymen supposedly under the command of Philip the Sixth, then tried to attack but for the most part were shot down by longbowmen. The ones who got through the arrows ended up in hand-to-hand combat, which also generally went well for the English, who only endured about one percent of the battle's casualties. Name this battle won by Edward the Third in Northern France in 1346.

ANSWER: Crecy

## 21. Interdisciplinary Worksheet #2

ANSWERS: Clive Staples Jack Lewis/Caspian/Volga/Stalingrad/Eczema/Paul Gauguin/Yellow/Rose

## 22. Pyramidal Math (60 Seconds)

Give your answer in  $a+bi$  form, where  $a$  and  $b$  are both positive real numbers. This number is equal to the square root of the quantity eight plus eight  $i$  root three. It also is the result you get when you square the number represented by  $2 \text{ cis } \text{fifteen degrees}$ . Find this number that, when drawn in the complex plane, has a magnitude of four and a direction of thirty degrees.

ANSWER: Two Root Three Plus Two  $i$

## 23. World Literature

His first novel, which takes place at the military school he attended, was publicly burned by the government but not banned, which made it a bestseller. A few years later, he wrote a novel that dealt with dictator Manuel Odría. Another novel, about an aspiring writer who marries his aunt-by-marriage, is largely autobiographical. Name this Peruvian author of *The Time of the Hero*, *Conversation in the Cathedral*, *Aunt Julia and the Scriptwriter*, *The Way to Paradise*, and *The Bad Girl*.

ANSWER: (Mario) Vargas (Llosa) (prompt Llosa, which might be pronounced Yosa)

## 24. Current Events

Earlier this month, an explosion in the al-Khadraa neighborhood of this city killed three children. Its territory, which has the same name, is specifically referred to in Article 140 of the Iraqi Constitution, but conditions in that article which were given a deadline in 2007 have not yet been met. Much of the confusion involving this city stems from Saddam Hussein's policy to house Arabs there in place of Assyrians, Turkmen, and Kurds. It is economically important because it contains much of Iraq's oil industry. Name this city in Northeastern Iraq.

ANSWER: Kirkuk

### 25. Biology

This Greek word is used to describe a process that includes pyknosis and karyorrhexis. It can be regulated by noxa and initiated by P53, and it is similar to autophagy and necrosis. Once the caspases are activated, the cell becomes round and the DNA becomes fragmented. Eventually, the cell becomes phagocytosed. Name this programmed cell death.

ANSWER: Apoptosis

### 26. Music

In 1715, he became the first Italian to compose oboe concertos. His most famous composition was pieced together after World War Two by Remo Giazotto. Originally a Sonata in G Minor, it is now known as Adagio in G Minor. Name this man who spent his entire life in Venice and composed many operas, including Artamene.

ANSWER: (Tomaso) Albinoni

### 27. United States History

This agency lasted from 1887 to 1995. Some of the laws that impacted it were the Hepburn Act of 1906, the Mann-Elkins Act of 1910, the Esch-Cummins Transportation Act of 1920, and the Staggers Act of 1980. The few duties it had left when it dissolved are now overseen by the Surface Transportation Board. It was the first national regulatory agency in the United States, and its primary purpose was to oversee railroad rates. Name this group that was created because it was very difficult for individual states to regulate certain industries.

ANSWER: Interstate Commerce Commission (or ICC)

### 28. Physics (10 Seconds)

The formula for this effect uses the expression the quantity one minus cosine theta, end quantity, times Planck's constant divided by the quantity electron mass times the speed of light. It is similar in some ways to the photoelectric effect, but it is more concerned with relativistic momentum. Name this effect based on wavelength shifts in collisions between photons and electrons as the photons bounce at various angles.

ANSWER: Compton Effect (or Compton Scattering or Compton Shift)

### 29. Vocabulary

This type of meter is used in alcaic poetry, and it is combined with spondees to form adonic poetry. It is also used in Evangeline by Longfellow and The Charge of the Light Brigade by Tennyson. There are two of them in the proper pronunciation of Indianapolis. It is similar to a trochee with an unstressed syllable added on the end and is the inverse of an anapest. Name this meter consisting of a stressed syllable followed by two unstressed syllables.

ANSWER: Dactyl(ic)

30. Religion/Mythology

He came to power when his father and brothers were killed by Heracles. After helping with the sacking of Troy, primarily by giving lots of long-winded advice, he returned to rule Pylos. While there, he was visited by Telemachus, who wanted to know the fate of his father but was instead informed of the fates of a lot of other leaders. Name this old man who tried to mediate between Achilles and Agamemnon.

ANSWER: Nestor

31. Pop Culture

Give the first and last name of the character who asks his child's teacher, "Is this the sort of thing we pay taxes for — to have teachers like you? Silly, stupid, careless people who send our kids home without any clothes on?" He also calls the wealthiest man in town a "warped, frustrated old man." Because of his more positive actions, Mr. Gower does not go to jail, Bedford Falls is not renamed Pottersville, and his brother Harry survives a fall into icy water. Name this character played by Jimmy Stewart in *It's A Wonderful Life*.

ANSWER: George Bailey (prompt either half of name)

32. Geometry/Trigonometry (60 Seconds)

Give your answer in simple radical form. Find the cosine of the angle formed at the vertex of a cube between a surface diagonal and a diagonal going through the center of the cube.

ANSWER:  $\sqrt{6}$  Over 3 (or One-Third  $\sqrt{6}$ )

33. Nonfiction

This philosopher was interested in science but was a critic of calculus. He took notes on an 18<sup>th</sup> Century eruption of Mount Vesuvius, and he wrote *An Essay Towards A New Theory of Vision* and *De Motu*, which is an essay on motion. One of his primary goals was to show that science fits in with Christian theology. Using the motto 'To be is to be perceived', he used three-track arguments against both material substance and abstract ideas. Name this philosopher who wrote *Three Dialogues Between Hylas and Philonous* and *A Treatise Concerning the Principles of Human Knowledge*.

ANSWER: (George) Berkeley

34. British Literature

His best-known novel is about Dr. Primrose, who goes from being very wealthy to very poor. Some of his best-known poems are *The Traveller* and *The Deserted Village*. He also wrote a play about Kate Hardcastle, who pretended to be poor in order to become rich, titled *She Stoops to Conquer*. Name this 18<sup>th</sup> Century Anglo-Irish author of *The Vicar of Wakefield*.

ANSWER: (Oliver) Goldsmith

35. Geography/Earth Science/Astronomy

This quantity is very high for Enceladus, which may explain why that moon has a lower surface temperature than other moons of Saturn. There are different forms of this quantity, including the geometric type which can have a value greater than one, though most forms, including Bond, always have a value between zero and one. This value also is measured for objects on Earth and can be found by aiming a sensor up, aiming it down, and comparing the two readings. Name this quantity equal to the fraction of incident light that is reflected.

ANSWER: Albedo

36. Algebra (60 Seconds)

Give your answer in the form  $y$  equals  $Ax$  cubed plus  $Bx$  squared plus  $Cx$  plus  $D$ . It doesn't matter whether or not you say  $y$  equals, and it doesn't matter whether you use subtraction or add a negative number for negative coefficients, but do not give a factored answer. Find the cubic function that goes through the points (0,0), (1,0), (2,0), and (3,1).

ANSWER:  $(y=) (1/6)x$  cubed  $- (1/2)x$  squared  $+ (1/3)x$

37. Art/Architecture

Some of his works, such as *Enak's Tears* and *Overtured Blue Shoe with Two Heels Under a Black Vault*, have been described as ameba-like. He switched from wall reliefs to sculptures in 1930, creating works such as *Metamorphosis: Shell-Swan* and *Human Concretion*. He grew up in Alsace-Lorraine and used different first names for himself depending on whether he was speaking in French or German. Name this artist who helped found both the Abstraction-Creation and Dada movements.

ANSWER: (Jean or Hans) Arp

38. Chemistry

Unlike in Feynman diagrams, wavy arrows, which can be labeled as internal conversions or intersystem crossings, in these represent radiationless transitions. They are equivalent in many ways to state diagrams and use horizontal lines to represent molecular electronic states. They also contain straight arrows, which typically represent phosphorescence, fluorescence, or photon absorption. Identify these diagrams named after a Polish scientist.

ANSWER: Jablonski (Diagrams)

39. United States Literature

One of his short stories is about a woman living in an isolated area with an invalid man who is visited by travelers, another begins with the death of Cherokee Sal just after she gives birth, and another begins with four people being exiled from a California town. Though he lived his childhood in New York and most of his later life in Europe before dying in 1902, he is associated with the West. Name this author of Miggles, The Luck of Roaring Camp and The Outcasts of Poker Flat.

ANSWER: (Francis Bret) Harte

40. World History

At the age of fourteen, he led twenty thousand men into battle against one hundred thousand men and emerged victorious when his enemy Hemu was struck in the eye by an arrow. That battle is now known as the Second Battle of Panipat. He eventually became widely known for his fairness, since he taxed nobles and Muslims at the same rate as Hindus, and he ran an efficient bureaucracy. Name this son of Humayan and grandson of Babur who ruled India for much of the Sixteenth Century.

ANSWER: (Jalaluddin Muhammad) Akbar (the Great)

41. Interdisciplinary Worksheet #3

ANSWERS: Miguel de Cervantes Saavedra/La Mancha/Windmills/Thomas Boone Pickens, Jr./Oklahoma/Richard Rodgers/The Comedy of Errors

42. Pyramidal Math (60 Seconds)

If you pick two random integers from one to ten with repeats allowed, this is the probability that they will add up to six, eleven, or sixteen. If you randomly pick two socks from a drawer with three pairs without replacement, this is the probability that you will get a matching pair. Find this number equal to the expected value of a game in which you pay a dollar if you lose, you get eleven dollars if you win, and you win one-tenth of the time.

ANSWER:  $\frac{1}{5}$  (or 0.2)

43. World Literature

In addition to a few narrators, some of the memorable characters are Farrington, Mr. Duffy, and Mrs. Kearney. The final story takes place at a feast of the Epiphany and mentions a horse that always walked in circles. Published in 1914, its stories include Araby, The Sisters, and The Dead, and some of its characters show up in the novel Ulysses. Name this short story collection by James Joyce.

ANSWER: Dubliners

#### 44. Current Events

He has worked for Dennis Archer, Michael White, and John Street, and he was once nicknamed Exotic Rodent. One of his companies, which he says little about, is called ASK Public Strategies, while his better-known firm is AKP&D Message & Media. His name provides the letter A in the names of both companies. In 2006, he helped Deval Patrick get elected as Governor of Massachusetts. Name the man who served as the chief strategist and media adviser for Barack Obama's Presidential Campaign.

ANSWER: (David) Axelrod

#### 45. Biology

First given their six-letter name by Walter Gilbert in 1978, these are very prevalent in eukaryotes and very rare in prokaryotes. Doctors have studied them to gain a better understanding of beta-thalassemia and chronic myeloid leukemia. Scientists debate whether or not they existed in early organisms, and their discovery has influenced theories on genetic evolution—scientists now believe that evolution often occurs through gene reshuffling rather than just mutations. Name these sections of precursor RNA that are not a part of messenger RNA.

ANSWER: Intron(s)

#### 46. Music

Scholars debate whether the final part, assigned the number fourteen, of this work was completed before the composer's death and whether part of the manuscript was lost. The second section introduces syncopation to the piece, and the third section introduces melodic inversion. Most sections of the piece are named using the term Contrapunctus. The motif spells out the composer's last name using a notation common in 18<sup>th</sup> Century Germany. Name this piece by Johann Sebastian Bach.

ANSWER: (The) Art of (the) Fugue (or Die Kunst der Fuge)

#### 47. United States History

The only dissenter was Gabriel Duvall, who did not give a reason for his dissent. This case started when the treasurer of an institution was sued by its leaders. The leaders were Federalists, who had become unpopular, and the treasurer was backed by the state legislature all the way to the Supreme Court before losing. In his decision, John Marshall wrote, "Perhaps no judicial proceedings in this country ever involved more important consequences." Name this case involving the Contract Clause and the State of New Hampshire.

ANSWER: (Trustees of) Dartmouth (College) v(s) (William H) Woodward (prompt partial answers, order does matter)

48. Physics (10 Seconds)

This law is used to justify Earnshaw's Theorem because it can be used to show that the divergence of force fields is zero. It is easy to use it to find the strength of an electric field created by an infinite line or infinite plane of a charged conductor. When it is applied to magnetism, one side of the equation is zero because there is no such thing as a magnetic monopole. Additionally, it is closely related to Coulomb's Law. Name this law that states that the permittivity constant times the surface integral of the electric field is equal to the enclosed charge.

ANSWER: Gauss('s Law)

49. Vocabulary

Aristotle divided them into Linguistic and Non-linguistic types. Some philosophers now divide them up into formal ones, in which the content of the argument is irrelevant, and informal ones. Several are given a three-word name in which the first two words are Argumentum Ad, with the third word possibly being Populum, Nauseam, or Hominem. Give this term beginning with the letter F that refers to an error in reasoning.

ANSWER: Fallacy (or Fallacies)

50. Religion/Mythology

While under Juan de Quintana, he read the Bible in its original languages. In the early 1530s, he wrote three books, including On The Justice of Christ's Reign, and he later wrote The Restoration of Christianity. His writings often were very critical of the ideas of predestination, infant baptism, and The Trinity. His role in the Unitarian Church is debated. Near the end of his life, he fled from a prison in Vienna but made the mistake of going to a church in Geneva, where he was recognized. Name this theologian who was arrested and sentenced to die slowly by fire, though John Calvin suggested that he should be beheaded instead.

ANSWER: (Michael) Servetus (or Servet or Serveto)

51. Pop Culture

This album was re-released in 1999 with the bonus tracks Out in the Cold and Smackwater Jack. All of the songs were written or co-written by the artist, including one that had already been a hit for Aretha Franklin and another that would become a hit later that year for James Taylor. The opening song contains the lyrics, "I feel my heart start to trembling whenever you're around," and another song on the album proclaims, "Something inside has died and I can't hide and I just can't fake it." Name this 1971 album containing the songs You've Got A Friend and You Make Me Feel Like A Natural Woman by Carole King.

ANSWER: Tapestry

52. Geometry/Trigonometry (60 Seconds)

Find the length of the projection of Vector A onto Vector B if Vector A has components two four and Vector B has components four three. Because you are finding the length, your answer should be a scalar rather than a vector.

ANSWER: 4

53. Nonfiction

Some of his books include *Necessary Illusions*, *Deterring Democracy*, and *Keeping the Rabble in Line*. A vocal opponent of American foreign policy, he labels himself as an Anarchist. He has also made an academic impact outside of politics, spending much of his career as a professor at MIT and writing books such as *The Sound Pattern of English* and *Syntactic Structures*. Name this linguist who designed a hierarchy of formal languages.

ANSWER: (Noam) Chomsky

54. British Literature

Its second stanza mentions a weeping cloud that fosters droop-headed flowers, and the third stanza refers to bursting a grape. It opens with the words, "No, no, go not to Lethe." This poem was completed in 1819 by John Keats. Identify this work that both links and contrasts its subject with joy.

ANSWER: Ode on Melancholy (prompt Melancholy, do not accept Ode To Melancholy)

55. Geography/Earth Science/Astronomy

In astronomy, this term is used to describe a time selected as a point of reference. This term can also be used to describe phases the universe went through after The Big Bang. On the geologic time scale, this term is less specific than stage but more specific than period. Name this category that includes the Middle Jurassic.

ANSWER: Epoch

56. Algebra (60 Seconds)

Solve for x: The fraction one over the quantity x plus one end quantity plus the fraction two over the quantity x plus two end quantity equals twenty-two over the quantity x squared plus three x plus two.

ANSWER: 6

57. Art/Architecture

One of his works showed Aphrodite naked, which was unusual for the time, and another showed Apollo leaning against a tree trunk about to kill a lizard. Other sculptures he created are known as Leaning Satyr and Pouring Satyr. All of those works were destroyed, but we know what they look like because they were copied first. His only known surviving sculpture shows an infant Dionysius reaching for something being held by Hermes, but we don't know what Hermes is holding because the sculpture no longer contains his arm. Name this Greek who lived in the middle of the 4<sup>th</sup> Century BCE.

ANSWER: Praxiteles

58. Chemistry

Depending on the source, you will find one, three, or four of these rules named after a 20<sup>th</sup> Century German. The most common one can be stated as "The term with the maximum multiplicity lies lowest in energy." It is associated with the fact that singly occupied orbitals within a system share the same spin, and it also is associated with the Pauli Exclusion Principle. Name this rule that explains how orbitals within a subshell are filled as you move across the periodic table.

ANSWER: Hund('s Rule(s))

59. United States Literature

The title character of this novella has a younger brother named Randolph. She travels to Switzerland and Rome, where she has an affair with Mr. Giovanelli. She is also loved by an American living in Geneva named Winterbourne. Name this 1878 work by Henry James.

ANSWER: Daisy Miller

60. World History

His rule was interrupted for four years by Manuel Gonzalez. He eventually stepped down when it became obvious that he had won his last election by massive vote fraud, fleeing to France to make way for Francisco Madero, who was executed a few years later. While in power, he took a lot of communal land, as well as church and public property, and gave it to his supporters, leading to a liberal opposition movement led at times by Ricardo Flores Magon. Name this opponent of Benito Juarez who ruled Mexico from 1876 to 1880 and from 1884 to 1911.

ANSWER: (Porfirio) Diaz

Tiebreakers:

Her first poetry collection was titled *A Dome of Many-Coloured Glass*, and she also wrote a long work titled *A Critical Fable*. Her collection *What's O'Clock* led to her receiving a posthumous Pulitzer Prize. Her most famous poem begins, "I walk down the garden paths, And all the daffodils Are blowing, and the bright blue squills," and is titled *Patterns*. Name this poet who had a strong friendship with Ezra Pound that was tested by their different opinions of Imagist poetry.

ANSWER: (Amy) Lowell

A picture by El Greco shows this man lying naked on his back. A famous sculpture of him shows him sitting up with his sons on both sides. This sculpture was supposedly created in the first century BCE and is housed at the Vatican. Both portrayals show his suffering, which was inflicted by snakes sent by Apollo, Poseidon, or Athena. Name this priest who confirmed the words of Cassandra and warned against accepting the Trojan Horse.

ANSWER: Laocoön

Give a two-word answer. The back of this object contains the commissure of Gudden. Gray's *Anatomy* describes this as a flattened, somewhat quadrilateral band of fibers situated at the junction of the floor and anterior wall of the third ventricle. It contains nerve fibers, about half of which switch sides within it, either from left to right or vice versa. Name this X-shaped section of the brain where some optic nerve fibers cross.

ANSWER: Optic Chiasm (or Optic Chiasma) (prompt Chiasm or Chiasma)

He replaced John Ehrlichman as Counsel to the President but eventually served four months in prison, a sentence that would have been much longer if he had not been a cooperative witness. He has a long-running feud with G. Gordon Liddy, who claims that Watergate started as an effort to protect this man's wife's friend. In Senate hearings in 1973, this man accused Nixon of direct involvement in Watergate and its cover-up. Name this man who in recent years has written books very critical of the Bush Administration.

ANSWER: (John) Dean

(60 Seconds)

Find the value of A in the following equation so that the solutions for x are three, four, and negative two: zero equals Ax to the third minus thirty x squared minus twelve x plus one hundred forty-four.

ANSWER: 6

This book's chapter on children states, "You may give them your love but not your thoughts. For they have their own thoughts." It has twenty-eight chapters, beginning with The Coming of the Ship, which sets up the question-and-answer system of the rest of the work. The questions are posed to Almustafa, who is about to leave the city of Orphalese. It was written in English in 1923 by a man born in Lebanon. Name this work by Khalil Gibran.

ANSWER: (The) Prophet

To calculate this quantity, it often is helpful to divide the complex number  $i$  by the quantity  $\omega$  times capacitance or to multiply the complex number  $i$  times  $\omega$  times inductance. When there are no capacitors or inductors, this quantity is equal to resistance. Name this quantity often denoted by a capital  $Z$ .

ANSWER: Impedance (prompt Resistance)

Give a one-word answer that does not begin with the letter S. This religion's name generally uses the ethnic group that developed it. Its trickster god, Eleggua, is honored every Monday, and makes communication possible between humans and orishas. Orishas are their deities, and some are connected to Catholic saints now that adherents to the religion have mingled with other cultures. This religion often involves elaborate drumming, and it is sometimes linked to the development of blues and jazz. Name this religion of Western Africa.

ANSWER: Yoruba

This noun is used to describe certain poems, paintings, and musical pieces and was used as a title by both Moschus and Theocritus. Based on the Greek word for little picture, it often is associated with the words pastoral or bucolic. It is a pleasant description of rustic life. Give this word beginning with the letter I that appears in the title of a Tennyson work about King Arthur.

ANSWER: Idyll(s)

First drafted by the Rays in 1999, he finished the 2006 season with the Hudson Valley Renegades. He was then taken in the Rule 5 draft by the Cubs, who quickly traded him to the Reds in exchange for cash considerations. He played in ninety games for the Reds, hitting nineteen home runs and proving to many teams that he had kicked his alcohol and crack addictions. Name this player who, at the end of 2007, was traded to the Texas Rangers.

ANSWER: (Josh) Hamilton

(60 Seconds)

Angles A and B are both acute, the sine of A is one-third, and the sine of B is two-thirds times the square root of two. Find the sine of the quantity A plus B.

ANSWER: 1

This show appeared on CBS affiliates just before prime time from 1976 to 1981. The main character had a nephew named Robin who occasionally showed up, and some of the running gags included Veterinarian's Hospital and heckling by Statler and Waldorf. The opening number started with the lyrics, "It's time to play the music, It's time to light the lights." It was created by Jim Henson with a lot of help from Frank Oz. Name this show starring Miss Piggy and Kermit The Frog.

ANSWER: (The) Muppet Show

She has served as Secretary of Transportation and Secretary of Labor. One of this outgoing Senator's television ads ended with a voiceover stating, "There is no god." Her opponent, who used to teach Sunday School, responded by ending an ad with the words, "My campaign is about creating jobs and fixing our economy, not bearing false witness against fellow Christians." The controversy helped propel Kay Hagan to victory in North Carolina. Name this woman whose husband once served as Senator and ran for President.

ANSWER: (Mary Elizabeth "Liddy") Dole

This author of *Brave New World* died the day President Kennedy was assassinated.

This uncle of that author's mother wrote the poem "Dover Beach".

This is the chemical formula of the compound that makes the cliffs of Dover white.

Like that compound, this mineral is used as chalk. It often represents 2 on the Mohs Scale of Hardness. Use the mineral name.

A variety of that mineral, alabaster, is mentioned in the last verse of this patriotic song.

The lyricist of that song shares her name with this college in Lewiston, Maine.

This is the first name of the brother of President Kennedy, who trained at that college and served as Attorney General in the Kennedy Administration.

\_\_\_\_\_ Count It

\_\_\_\_\_ Don't Count It

This author of *The Chronicles of Narnia* also died the day President Kennedy was assassinated.

This is the title Prince in one of *The Chronicles of Narnia* and is a 'Sea' generally considered to be the world's largest lake.

Like the Ural, this longest river of Europe feeds that lake.

Much of this battle, which took place in 1942-43 and may have been the bloodiest in human history, took place near that river.

The stress from that battle led Lieutenant General Chuikov to develop this condition, a form of dermatitis whose name begins with the letter E.

This famous artist, who suffered from that same condition, painted *Tahitian Women on the Beach* in 1891.

This color was often associated with that artist, especially his picture of the crucifixion.

This flower, when of that color, is associated with the state where Kennedy was assassinated. This is also the first name of President Kennedy's mother.

\_\_\_\_\_ Count It

\_\_\_\_\_ Don't Count It

INTERDISCIPLINARY WORKSHEET #3

Name \_\_\_\_\_

This famous author supposedly died the same day as William Shakespeare.

This large plain in Spain was the home of that author's most famous character.

These objects are common in that area and were attacked by that character.

This billionaire spent millions of dollars recently encouraging the United States to build more of those objects.

That billionaire comes from this state, whose name is the title of a 1943 musical.

This composer combined with lyricist Hammerstein to write that musical.

This Shakespeare play inspired that composer to create *The Boys from Syracuse*.

\_\_\_\_\_ Count It

\_\_\_\_\_ Don't Count It