



Tossup 1: Math — Calculus (Computational: 30 Seconds)

Evaluate at x equals pi over two, the derivative with respect to x of 12 x squared + 6 - cosine of the quantity 5 x.	<u>12 pi + 5</u>
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Bonus 1: Social Studies — U.S. History

Answer these questions related to the presidency of Franklin Delano Roosevelt.		
A	FDR's presidency began with this period, in which he met with congress everyday for several months.	<u>100 Days</u>
B	Begun in 1935 and directed by Harry Hopkins, this New Deal agency used local labor to build public structures, many of which are still standing today.	<u>Works Progress Administration</u>
C	FDR used these periodic informal addresses given over the radio to calm the public and tell them of developments throughout the nation.	<u>Fireside Chats</u>
D	Most notably directed by David Lilienthal, this agency in the southeastern United States used dams to create electricity and boost the area's economy.	<u>Tennessee Valley Authority</u>



Tossup 2: Literature — Literature

<p>In one of this writer's novels, Edmund Bertram is interested in Mary Crawford for a while but ends up with Fanny Price. That novel was published three years after a novel concerning Elinor and Marianne Dashwood. She created the characters of Fitzwilliam Darcy and Elizabeth Bennett in her most famous novel. Name this early 19th century author of Mansfield Park, Sense and Sensibility, and Pride and Prejudice.</p>	<p>Jane <u>Austen</u></p>
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Bonus 2: Science — Physics

<p>Identify these principles of thermodynamics.</p>		
A	<p>This law of thermodynamics states that thermal equilibrium is transitive.</p>	<p><u>Zeroth Law of Thermodynamics</u></p>
B	<p>A consequence of the Third Law of Thermodynamics is that this temperature cannot be reached.</p>	<p><u>Absolute zero</u></p>
C	<p>This French physicist invented a namesake heat engine which introduced the concept of entropy.</p>	<p>Sadi <u>Carnot</u></p>
D	<p>This namesake thought experiment devised by a Scottish physicist asks whether entropy could be reversed by a small trapdoor between two gases, and was disproved by information theory.</p>	<p><u>Maxwell's demon</u></p>



Tossup 3: Miscellaneous — Sports

<p>He played high school basketball with Antoine Walker while both were at Mount Carmel in Chicago, but this man went on to play football at Syracuse. Selected with the second overall pick in the 1999 NFL draft, he has played on the same team his entire career, leading them to the Super Bowl in the 2004 season along with wide receiver Terrell Owens. Name this quarterback who wears number 5 while starring for the Philadelphia Eagles.</p>	<p>Donovan <u>McNabb</u></p>
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Bonus 3: Math — General

Convert the number 2 2 3 base 4 into the following bases.		
A	Base 10.	<u>43</u>
B	Base 5.	<u>1 3 3</u>
C	Base 2.	<u>1 0 1 0 1 1</u>
D	Base 16.	<u>2 B</u>



Tossup 4: Social Studies — World History

<p>It was comprised of four different parts, two of which removed three decades later. Coming 26 years after the St. Bartholomew's Day massacre, it disavowed the cuius regio, eius religio (<i>CYOO-iss RAY-hee-oh, AY-us ray-LEE-hee-oh</i>) principle many parts of Europe relied on, and it would eventually be repealed by Louis XIV. Name this 1598 act by Henry IV that gave freedoms to French Huguenots.</p>	<p>Edict of <u>Nantes</u></p>
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Bonus 4: Literature — Literature

<p>Name these works of Thornton Wilder.</p>		
<p>A</p>	<p>This play, in which Horace Vandergelder hires Dolly Gallagher Levi to find him a wife, became the basis for the musical Hello, Dolly!</p>	<p>The <u>Matchmaker</u></p>
<p>B</p>	<p>This play is set in Grover's Corners, New Hampshire and has no props or scenery.</p>	<p><u>Our Town</u></p>
<p>C</p>	<p>This novel sees Brother Juniper trying to understand the lives of people who all die in a tragic event in Peru.</p>	<p>The <u>Bridge of San Luis Rey</u></p>
<p>D</p>	<p>This panoptic play is about George Antrobus, a true Everyman.</p>	<p>The <u>Skin of Our Teeth</u></p>



Tossup 5: Fine Arts — Music

<p>The work opens with a 5/4 section which most of the first movement is played in. While another movement consists of a womens chorus decrescendoing into nothing which in the original performance was accomplished by slowly closing a door. This suite of seven movements ends with The Magician and The Mystic, however, it is better known for the centerpiece, The Bringer of Jollity; and beginning, The Bringer of War. Name this work by Gustav Holst, which features all of the titular objects except Earth and Pluto.</p>	<p><u>The Planets Op. 32</u></p>
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Bonus 5: Miscellaneous — Interdisciplinary

<p>Force yourself to answer these fundamental questions.</p>		
A	<p>Name this postmodern Thomas Pynchon novel that discusses V-2 rockets and begins "A screaming comes across the sky"</p>	<p><u>Gravity's Rainbow</u></p>
B	<p>This protestant minister of the Social Gospel wrote the book Our Country.</p>	<p><u>Josiah Strong</u></p>
C	<p>Tom Wolfe wrote this book about the Ken Kesey and the Merry Pranksters.</p>	<p><u>The Electric Kool-Aid Acid Test</u></p>
D	<p>Logically, this constitutes the remaining part of this bonus; physically, it is mediated by W plus, W minus, and Z gauge bosons.</p>	<p><u>Weak nuclear force</u></p>



Tossup 6: Science — Biology

<p>Negative selection ensures that these do not bind to the body's own peptides, and positive selection ensures that these can interact with MHC. CD4 is expressed on the helper variety, which secrete cytokines to attract other immune cells. The cytotoxic variety kills infected cells, while the suppressor variety ends an immune response. Also found in the memory and natural killer varieties, name this group of white blood cells which mature in the thymus.</p>	<p><u>T cells</u></p>
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Bonus 6: Fine Arts — Visual Art

<p>Identify the creators of these Madonna paintings.</p>		
A	<p>This Renaissance Italian painted The Virgin and Child with St. Anne six years after completing The Vitruvian Man.</p>	<p>Leonardo <u>Da Vinci</u></p>
B	<p>This Spanish surrealist used his wife Gala as a model for both versions of his Madonna of Port Lligat.</p>	<p>Salvador <u>Dali</u></p>
C	<p>He created over a dozen paintings of the virgin and child, but was more famous for his frescos, including portrayals of Galatea and Mount Parnassus.</p>	<p><u>Raphael</u> (accept <i>Raphaello</i>) Sanzio</p>
D	<p>This painter of Madonna with the Long Neck, painted her holding a really big baby Jesus.</p>	<p><u>Parmigianino</u> (accept <i>Francesco <u>Mazzola</u></i>)</p>



Tossup 7: Math — Geometry (Computational: 30 Seconds)

Carl likes log rolling, and his favorite log has a radius of half a foot. He is on a hill with a 30 degree slope downward. If he rolls the log 56 times down the hill, then by how much has he decreased his elevation?	<u>28 pi</u> feet
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Bonus 7: Social Studies — Geography

Identify these geographical features of South America.		
A	This tallest waterfall in the world, at over 3,200 ft, is located in Venezuela and named after the American whose discovery made it famous.	<u>Angel Falls</u>
B	This extremely fertile region whose name means "plain" is located in Argentina, Brazil, and Uruguay, and it includes the Uruguay River.	<u>Pampas</u>
C	Cape Horn is at the southern end of this Chilean archipelago, which itself is at the southern end of South America.	<u>Tierra del Fuego</u>
D	Technically a bay though often considered a lake, this large body of water, sharing its name with the second largest city in its country, is located in Venezuela.	<u>Lake Maracaibo</u>



Tossup 8: Literature — Literature

<p>Near the end of this work, one character has a book on statehood in Russia and Europe published. That character, Sergei Koznyshev, is the half-brother of a much more prominent character, Konstantin Levin. Levin is a suitor to Kitty throughout the work, even though Count Vronsky was supposed to fall in love with her. Seeing him instead fall in love with a title character who eventually throws herself in front of a train, identify this work written by Leo Tolstoy.</p>	<p><u>Anna Karenina</u></p>
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Bonus 8: Science — Chemistry

Identify these superlative chemical phenomena.		
A	This occurs when the Meissner effect causes there to be no magnetic flux inside an object with zero resistance.	<u>Superconduction</u>
B	This occurs in helium-4 at the lambda point, causing it to have zero viscosity.	<u>Superfluidity</u>
C	This occurs when a solution lacks condensation nuclei, and thus, can accept more solute than it can typically dissolve.	<u>Supersaturation</u>
D	When a liquid lacks condensation nuclei, its temperature can be reduced past its typical freezing point without it freezing, in this phenomenon.	<u>Supercooling</u>



Tossup 9: Social Studies — Other

<p>In 1852, under the command of Edward Belcher, it was searching for the lost explorer, John Franklin, when it was stuck in the ice in northern Canada, and abandoned. It was freed by an American whaler, and returned to the United States where it was eventually restored and returned to the British as a gift. When the ship was decommissioned in 1879, several desks were made from the timbers, one of which was gifted to Rutherford B. Hayes. Name this ship, whose namesake desk has, with few exceptions, been the desk at the south end of the Oval Office from which the president conducts his business.</p>	<p>HMS <u>Resolute</u></p>
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Bonus 9: Math — Other

<p>Give the probabilities of the following die rolls resulting from rolling a pair of standard six-sided dice.</p>		
A	You roll a sum of seven.	<u>1/6</u>
B	You roll a prime sum.	<u>5/12</u>
C	You roll the pair of dice twice, and both sums are odd.	<u>1/4</u>
D	You roll the pair of dice twice, and all four numbers that come up are even.	<u>1/16</u>



Tossup 10: Science — Physics

<p>On the atomic level, this quantity is often measured in Hartrees, and its flux in an electromagnetic field is represented by the Poynting vector. One type, that for an inductor of inductance L and current flow I, is given by one-half L times I squared. Another type, in rotational dynamics, is given by one-half I times ω squared, and the First Law of Thermodynamics states that the internal type is always conserved. Name this quantity that comes in kinetic and potential varieties.</p>	<p>Energy (accept <i>Potential Energy until rotational dynamics clue is completed; accept Kinetic Energy until "inductor" is mentioned</i>)</p>
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Bonus 10: Literature — Literature

Identify the following about locations in British Literature.		
A	At the end of this work, the title character lies down on an altar at Stonehenge shortly after admitting to Angel that she murdered Alec.	<u>Tess of the d'Urbervilles: A Pure Woman Faithfully Presented</u>
B	This work by Horace Walpole, considered the first Gothic novel, tells the story of Manfred, who lives in the titular building.	<u>The Castle of Otranto</u>
C	The last poem in Lyrical Ballads, the title locale is situated on the banks of the Wye river, and is described as "sublime."	Lines composed a few miles above <u>Tintern Abbey</u> on revisiting the banks of the Wye during a tour, July 13, 1798
D	While he goes to Liliput and Brobdingnag, Japan is the only real country that the title character travels to in this Swift work.	<u>Gulliver's Travels</u>



Tossup 11: Literature — Literature

<p>Her "Several Poems Compiled with Great Variety of Wit and Learning" was self-compiled, opposed to her earlier publication experience which was published in Britain without her knowledge in 1647. Her poem "Upon the Burning of Our House July 10th, 1666" details her lament over the loss of her library of books, and her "To My Dear and Loving Husband" is an expression of Puritan love. Identify this Colonial poet who produced the poems that went into The Tenth Muse, Lately Sprung Up in America.</p>	<p>Anne Dudley <u>Bradstreet</u></p>
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Bonus 11: Science — Astronomy

Identify the following constellations.		
A	Associated with, and including the stars Castor and Pollux, this constellation shows a pair of brothers.	<u>Gemini</u>
B	Also known as "The Hunter," this constellation contains Rigel and Betelgeuse.	<u>Orion</u>
C	Near "The Hunter" is this constellation which contains Sirius, part of the Winter Triangle.	<u>Canis Major</u> (<i>prompt on <u>Canis</u></i>)
D	This swan constellation contains the Northern Cross.	<u>Cygnus</u>



Tossup 12: Social Studies — U.S. History

He attended Whittier College for undergraduate, and later Duke Law School. After a narrow defeat in the 1960 presidential contest, he entered the political wilderness accompanied by his dog, Checkers, before reaching the presidency by defeating Hubert Humphrey in 1968. Four years later he garnered an astonishing 520 electoral votes with running mate Spiro Agnew, though that success was short lived as this man resigned two years later. Name this American president whose name shall forever be linked with Watergate.

Richard Nixon

Bonus 12: Math — Calculus

Evaluate the derivatives of the following functions at x equals 3.

A	Cosine of πx .	<u>0</u>
B	$x^3 - 3x^2 + \tan$ of πx .	<u>$\pi + 9$</u>
C	Sine of πx times cosine of πx .	<u>π</u>
D	e to the quantity $x^2 + 3x$, close quantity.	<u>9 e to the 18</u>



Tossup 13: Miscellaneous — Interdisciplinary

<p>The most famous man by this name invented a single-pressure absorption refrigerator that does not require electricity in 1930. It is the name of an extradimensional entity that helps John Crichton finally harness wormhole travel in the Sci-Fi series Farscape. In the original Red Alert, a character based on the real one uses the Chronosphere to travel back in time and eliminate Adolf Hitler from the timeline. Also the name of Doc Brown's dog in Back to the Future, identify this name, used primarily to refer to a physicist and all around genius who thought up a pretty Special Theory of Relativity.</p>	<p><u>Albert Einstein</u></p>
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Bonus 13: Fine Arts — Music

Identify all the following works by Georg Friedrich Handel		
A	This piece actually killed some of the musicians, as the titular articles burnt down the building it was being performed in.	<u>Music for the Royal Fireworks</u>
B	This piece was written for the precession of King George I's royal barge, and comes in three suites, written in F, D, and G major.	<u>Water Music</u>
C	This piece, written in three parts consists of The Birth, The Passion, and The Aftermath. It also includes the famous "Hallelujah chorus".	<u>Messiah</u>
D	The answer to number three was this kind of work often associated with Handel. Two others of the type that he wrote are Esther and Samson.	<u>Oratorio</u>



Tossup 14: Science — Biology

<p>It contains two fluids: perilymph and endolymph. In it, Reissner's membrane separates the scala vestibuli from the scala media. The scala media contains the organ of Corti and is separated from the scala tympani by the basilar membrane. The scala vestibuli receives vibrations through the oval window from the stapes of the middle ear. Give the coiled chamber of the inner ear that contains the interface between sound waves and neural impulses.</p>	<p><u>cochlea</u></p>
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Bonus 14: Literature — Literature

<p>Answer these questions about works whose titles come from other works.</p>		
<p>A</p>	<p>The title of this novel by Thomas Hardy about Bathsheba Everdene and her three suitors comes from Gray's "Elegy Written in a Country Churchyard."</p>	<p><u>Far From the Madding Crowd</u></p>
<p>B</p>	<p>Faulkner took this title from Macbeth to describe the tumult of Jason, Quentin, Caddie, and Benjy—all members of the Compson family.</p>	<p><u>The Sound and the Fury</u></p>
<p>C</p>	<p>Walter Lee and Lena Younger appear in this Lorraine Hansberry play whose title appears in a Langston Hughes poem about deferred dreams.</p>	<p><u>A Raisin In the Sun</u></p>
<p>D</p>	<p>Hemingway took this title from John Donne's Meditation 17 on the Latin phrase "Nunc Lento Sonitu Dicunt, Morieris."</p>	<p><u>For Whom the Bell Tolls</u></p>



Tossup 15: Math — Algebra (Computational: 30 Seconds)

Find the summation from n equals 1 to 8, of $3n$.	<u>108</u>
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Bonus 15: Social Studies — World History

Identify these Popes of Roman Catholicism.		
A	This apostle was the first Pope, and according to the Gospel of Matthew, held the keys to Heaven.	<u>Peter</u> (accept <i>Petrus</i>)
B	Though he was not there, this Pope was reigning when the Council of Nicea took place in 325.	<u>Sylvester I</u>
C	John Calvin had great respect for this Pope, who served at the end of the 6th century and was known for his Dialogues.	<u>Gregory I</u> (prompt <i>Gregory Dialogist</i> ; accept <i>Gregory the Great</i>)
D	This member of the Medici family excommunicated Martin Luther in the 16th century.	<u>Leo X</u> (prompt <i>Leo</i>)



Tossup 16: Literature — Literature

<p>She gained fame for a lyric poem in which the speaker states that she will no longer listen for "the scrape of a keel on the blank stones" but is also remembered for a eighty-line dramatic monologue in which she derides her father by saying "There's a stake in your fat black heart and the villagers never liked you". However, she is best remembered today for a novel about Esther Greenwood's troubles with jobs and relationships. At one point married to Ted Hughes, identify this creator of "The Colossus", "Daddy", and The Bell Jar who stuck her head in an oven.</p>	<p>Sylvia <u>Plath</u></p>
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Bonus 16: Science — Biology

Identify these phyla from descriptions.		
A	Humans are in this phylum that contains all vertebrates.	<u>Chordata</u> (accept <u>chordates</u>)
B	Insects, crustaceans, and arachnids are part of this very large phylum whose members have exoskeletons.	<u>Arthropoda</u> (accept <u>arthropods</u>)
C	This simplest phylum contains only motionless marine animals whose skeletons are sometimes used for cleaning purposes, like real loofas.	<u>Porifera</u> (accept <u>sponges</u>)
D	This varied phylum contains bivalves, like clams and oysters, cephalopods, like squids, and gastropods, like snails.	<u>Mollusca</u> (accept <u>molluscs</u>)



Tossup 17: Social Studies — Geography

<p>Once home to the Timbisha people, it is located between the Amargosa Range and the Panamint Range, it is approximately 3,000 square miles. Home to Lake Manly during prehistoric times, it is crossed by multiple strike-slip faults, and the town of Badwater can be found here, which contains the lowest point in North America. Name this arid region of California, where in 1913 the western hemisphere's hottest temperature was recorded.</p>	<p><u>Death Valley</u></p>
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Bonus 17: Miscellaneous — Technology

Name the following programming languages.		
A	This object-oriented scripting language developed in the mid-90's is popularly known for its version "on rails".	<u>Ruby</u>
B	This general markup language similar to HTML uses greater-than and less-than signs extensively.	<u>XML</u> (do not accept <u>XHTML</u>)
C	This "business-oriented" and formally government-sponsored language was first written in 1959.	<u>COBOL</u>
D	This popular language written by Guido van Rossum enforces indentation, and is known for its ease of use, particularly through the "import" keyword.	<u>Python</u>



Tossup 18: Fine Arts — Visual Art

<p>Eugène Delacroix modeled for this painting as the man in the foreground with his face down and arm outstretched. The canvas, which measures an enormous 16 by 23 1/2 feet, was compiled through copious studies, visits to the morgue, and interviews with some of the fifteen men involved. At the focus of this painting an African man, Jean Charles, stands on a barrel waving some sort of red and white cloth at the approaching Argus. Name this picture of the aftermath of a French naval Frigate, a work by Théodore Géricault.</p>	<p>The Raft of the Medusa (accept <i>Le Radeau de la Méduse</i>)</p>
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Bonus 18: Math — Algebra

<p>Solve the following equations for x, giving all answers where appropriate.</p>		
A	tangent x equals 1, with x between 0 and 2 pi.	x = $\pi / 6$ and $5\pi / 6$ (both required)
B	cosecant x equals 2, with x between 0 and 2 pi.	x = 3
C	Natural log of the quantity 3x, equals 2 times the natural log of x.	x = <u>natural log of 2</u>
D	e to the quantity 2 x, close quantity, equals 4.	x = $\pi / 4$ and $5\pi / 4$ (both required)



Tossup 19: Science — Chemistry

<p>Originally called mesomerism by Ingold, it is named after Kekulé in the case of benzene. Unlike tautomerism, it does not represent an actual reaction, though it is responsible for a shift in NMR spectra. Occurring in conjugated systems, it causes aromaticity. Formalized as the average of multiple canonical Lewis structures, name this chemical phenomenon by which fractional numbers of electrons are in one place at a given time.</p>	<p><u>Resonance</u></p>
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Bonus 19: Literature — Literature

<p>Answer the following about the deaths of various characters.</p>		
A	<p>This figure tried to stab a painting of himself, but after doing so, the knife ended up in him.</p>	<p>Dorian <u>Gray</u></p>
B	<p>This Shakespearean queen consumes a poisoned drink while watching a swordfight between her son and Laertes.</p>	<p><u>Gertrude</u> (<i>prompt on on Hamlet's mother</i>)</p>
C	<p>In Thomas Mann's Death in Venice, the title city is ravaged by a plague of this disease.</p>	<p><u>cholera</u></p>
D	<p>In this Franz Kafka story, Joseph K is eventually taken to a quarry by two men in frocks and stabbed in the heart.</p>	<p>The <u>Trial</u></p>



Tossup 20: Math — General (Computational: 30 Seconds)

Two trains leave Chicago at noon, one heading due south at 40 mph and one straight west at 30 mph. In how many hours will they be exactly 150 miles apart?	3 hours
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Bonus 20: Social Studies — U.S. History

Identify these 19th century Supreme Court cases.	
A	Beginning when the plaintiff rode on train car reserved for whites, this 1896 case produced the doctrine "Separate but Equal." <u>Plessy v. Ferguson</u>
B	The plaintiff in this 1824 case was the operator of a ferry, while the defendant was attempting to stop him from doing business in New York waters; the issue centered around control of interstate commerce. <u>Gibbons v. Ogden</u>
C	In this 1819 case, a state attempted to tax a U.S. bank, and the court used the Elastic Clause in determining their decision. <u>McCulloch v. Maryland</u>
D	Daniel Webster argued in defense of his former college in this case, in which the state government attempted to invalidate that school's charter and make it a public institution. <u>Trustees of Dartmouth College v. Woodward</u>



Tossup A: Fine Arts — Visual Art

<p>A large hill dominates the left background in this painting, while a dark ominous castle occupies the right background. In the foreground a man in green mourns over a man who is spread out on the ground with blood spread all around. The central character to the painting is the only dressed in bright colors with his white shirt and yellow pants emitting light onto everyone in the vicinity of him. Name this painting depicting a man facing a firing squad painted by Francisco Goya.</p>	<p>Third of May, 1808 (accept <i>El tres de mayo de 1808 en Madrid</i>)</p>
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Bonus A: Literature — Literature

Identify these Latin American authors.		
A	The lyrics to the song Guantanamera were taken from this Cuban nationalist's Versos Sencillos.	Jose <u>Marti</u> Perez
B	This Nicaraguan author of Prosas Profanas was a key figure in the Spanish modernist movement; he was also a diplomat in other countries, including Spain and France.	Ruben <u>Dario</u>
C	A magical realist, this Chilean author wrote about the Trueba family in the House of the Spirits.	Isabel <u>Allende</u> Llona
D	Another noted magical realist is this Mexican author, who penned Zona Sagrada and the Death of Artemio Cruz.	Carlos <u>Fuentes</u> Macias



Tossup B: Social Studies — U.S. History

<p>He joined the army in order fight in the War of 1812, but was too late and instead decided to settle down in Louisiana. In his forays into Texas in the 1830s, this frontiersman led a failed expedition in search of the state's legendary San Saba silver mine, and later met his death at the Alamo. Name this Kentucky-born frontiersman with an eponymous knife, most versions of which have clipped points and blades six to twelve inches in length</p>	<p>Jim <u>Bowie</u></p>
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Bonus B: Math — Calculus

Find the volumes of the following figures.		
A	An ellipsoid with semi-major axes of 2, 4, and 5.	<u>40 pi</u>
B	The graph $y = 1$ over x , from x equals 1 to x equals 4.	<u>3 pi / 4</u>
C	The graph $y = x$, from x equals 0 to x equals 3.	<u>9 pi</u>
D	A circle centered at (3, 0), with radius 1, revolved about the y -axis.	<u>6 pi squared</u>



Tossup C: Science — Chemistry

<p>As the director of Russia's Bureau of Weights and Measures, he was responsible for standardizing vodka, a subject similar to his dissertation on alcohols. His major work was similar to previous work done by Lothar Meyer, as well as John Newlands, as the "law of octaves," though only he was able to predict scandium, gallium, and germanium. Name this Russian chemist considered the father of the periodic table.</p>	<p>Dmitri <u>Mendeleev</u></p>
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Bonus C: Social Studies — World History

<p>Identify the following related to the exploration of the Americas.</p>	
<p>A</p>	<p>This man executed Atahualpa and defeated the Incan Empire in the 1530s.</p> <p>Francisco <u>Pizarro</u> González</p>
<p>B</p>	<p>The answer to Part A was at times assisted by this man, who was the first European to view the Mississippi River.</p> <p>Hernando <u>de Soto</u></p>
<p>C</p>	<p>After stopping in Hispaniola, this went to present day Panama and became the first European to see the Pacific Ocean from the Americas.</p> <p>Vasco Núñez de <u>Balboa</u></p>
<p>D</p>	<p>This native of Portugal was the first European to reach Brazil.</p> <p>Pedro Álvares <u>Cabral</u></p>