

Bulldog High School Academic Tournament 2014 (XXIII): Tonight I Can Write The Hardest Lines
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Edited by Matt Jackson, with Ashvin Srivatsa and Jacob Wasserman

Packet 1 Tossups

1. In Maori myth, this event takes place when the children of Ranginui and Papatuanuku force the two gods apart. In the *Enuma Elish*, this occurs after Marduk takes the Tablets of Destiny from Kingu when he dismembers Tiamat. The Chinese story of this event was preceded by an 18,000-year-process of growth and by the death of Pan Gu. In Norse myth, Vili and Ve aid in this process, which causes a flood of blood to come from the corpse of the giant Ymir as his parts are redistributed. For 10 points, name this process which occurs *ex nihilo* in six days in the Book of Genesis.

ANSWER: creation of the world [or creation of the earth; or formation of the earth; accept separation of the earth and sky until "flood" is read; accept answers indicating the population or design of the world] <MW>

2. One set of this man's instructions ended with the phrase "if practicable," making Richard Ewell overcautious. Defending Marye's Heights, this commander remarked, "It is well that war is so terrible, or we should grow too fond of it." This rider of the horse Traveller withstood frontal assaults at Cold Harbor. This general, whose estate was confiscated for a veterans' cemetery, captured John Brown at Harpers Ferry. As he won using a flanking maneuver at Chancellorsville, his corps commander Stonewall Jackson was shot; two years later, he surrendered at Appomattox courthouse. For 10 points, name this loser at Gettysburg, the Confederacy's senior general.

ANSWER: Robert Edward Lee <JW>

3. In Othello's final soliloquy, one of these objects "richer than all his tribe" is thrown away by a "base Judean" or "Indian." Like silk, these objects are often measured according to their "momme weight." Two men who make a living acquiring these objects sing the duet "Au fond du temple saint;" those men, Zurga and Nadir, title a Georges Bizet opera. Juana prays for one of these objects in a novella centering on the sick Mexican child Coyotito; John Steinbeck titled that novella for one of them. A Mormon scripture is titled for one of these "of Great Price" in the Gospel of Matthew. For 10 points, name these precious objects created when dirt gets trapped within oyster shells.

ANSWER: pearls <MJ>

4. In one poem, this author asks, "can you love a monster of frightening name?" before advising the reader to kill the title creature to "let his soul run wild." This man penned "Genius Child" and discussed a woman who contrasts her life with a "crystal stair" in "Mother to Son." He wondered whether a certain thing crusts and sugars over "like a syrupy sweet" or whether it explodes. Though he declared that "I, too, sing America," he also speculated that some hopes "dry up like a raisin in the sun." For 10 points, identify this poet whose "soul has grown deep like the rivers," who wrote about "a dream deferred" in "Harlem."

ANSWER: James Mercer Langston Hughes <GL>

5. This quantity times the derivative of pressure with respect to this quantity is equal to a substance's bulk modulus. The degeneracy pressure of matter is a function only of this intensive property of the matter. Surfaces along which this property is constant are called "isopycnic". The specific volume is the reciprocal of this quantity. This property is constant through the entirety of a homogeneous substance. Little *g* times the volume of a submerged object times this property of the displaced fluid equals the buoyant force, according to Archimedes's principle. For 10 points, name this quantity that equals mass per unit volume.

ANSWER: volumetric mass density [accept number density] <ATo>

6. In this state, barrier islands around Bellport Bay were decimated by the 1962 Ash Wednesday Storm. At the other end of this state, toxic waste leached from a Hooker Chemical dump site at one of the EPA's first superfund sites, Love Canal. Its largest city barely avoided a direct hit by Hurricane Gloria, which set a record for storm surge at Battery Park. In this state, a 1977 blackout, which triggered arson near Crown Heights, spared the Rockaways. The 1993 Storm of the Century dumped two feet of snow in this state's Catskills Mountains. For 10 points, name this state, where subway flooding and massive damage on Long Island were caused by Hurricane Sandy.

ANSWER: State of New York [or New York State] <JW>

7. This author described how "the terrible mothers / Lifted their heads" in a poem about a man whose "eyes did not close / When he saw the horns near." This man wrote a scene for six washerwomen, who gossip about the former lover of Victor before she strangles her husband. He wrote about Adela, who attempts to elope with her sister Angustias's fiance and escape from her four sisters in a play whose speaking roles are all female. This author of "Lament for the Death of a Bullfighter" included a play about the childless *Yerma* in his "Rural Trilogy." For 10 points, name this 20th-century Spanish poet and playwright of *The House of Bernarda Alba*.

ANSWER: Federico Garcia Lorca <HX>

8. The existence of infinitely many bounded gaps between numbers with this property was proven in an acclaimed 2013 paper of Yitang Zhang. That result generalizes the conjecture that there exist infinitely many pairs "n" and "n plus 2" which have this property. If every even integer greater than 2 can be written as the sum of two numbers with this property, then Goldbach's conjecture is true. A classic method for finding numbers with this property is the Sieve of Eratosthenes. Two numbers have this property relative to one another if they have no nontrivial common divisors. For 10 points, name this property possessed by numbers that are divisible only by one and themselves.

ANSWER: primality [or primeness; or word forms] <NW>

9. A military action near this city, which was defended by the Linienwall, legendarily resulted in the invention of the bagel and the croissant. Charles of Lorraine and Leopold I held onto this city at a battle fought on Kahlenberg Mountain. Viscount Castlereagh ("KASS-ul-rey") represented Britain and helped forge a quadruple alliance at one meeting in this city. Jan Sobieski arrived to defend this city from janissaries. A congress in this city, which organized post-Napoleonic Europe, was led by Prince Metternich. For 10 points, name this city besieged twice by the Ottomans, the seat of the Habsburgs' Austro-Hungarian empire.

ANSWER: City of Vienna [or Stadt Wien] <JW>

10. In one of this composer's works, the pianist's right hand constantly plays octave tremolos in the movement "Con mortuis in lingua morta." This composer used a drone G-Sharp in a six-eight movement of that work to depict an "Old Castle." Octave E-Flat major scales imitate bells in the last movement of that work by this composer, depicting "The Great Gate of Kiev." Ravel orchestrated that suite by this composer, which includes several versions of its first movement, "Promenade." For 10 points, name this member of the Mighty Five, the Russian composer of *Pictures at an Exhibition*.

ANSWER: Modest Petrovich Mussorgsky <JR>

11. One kingdom of this name was founded by Sumu-abum. A kingdom of this name lost the battle of Opis under its final ruler Nabonidus. This empire's capital, home of the Etemenanki temple, was sacked by Mursili I in an event dated by eclipses its astronomers observed under Ammisaduqa. The Amorite rulers led this kingdom, which was revived under the Chaldean Nabopolassar and overthrew the Neo-Assyrians. A non-Biblical law requiring eye-for-an-eye retribution appears on stelae put up by one of its rulers. For 10 points, name this Mesopotamian empire with incarnations ruled by Nebuchadnezzar and Hammurabi, centered on a city with hanging gardens.

ANSWER: Babylonian Empire [or Babylonia; or Neo-Babylonian Empire; accept equivalents; accept "Chaldean

Empire" or equivalents until mentioned] <JW>

12. This firm, owned by Doctor's Associates, employed a man who embarked on the "Tour de Pants." This Bridgeport-founded company has one product called the flatizza. A January 2013 *New York Post* front-page photo publicized a lawsuit over the length of one of this company's products, and its ad campaigns include the "JanuANY" and "FebrurANY" promotions. In 2011, it surpassed McDonald's as the world's most numerous restaurant chain, and it employed a spokesman who lost weight on its namesake diet, Jared Fogle. With slogan "Eat Fresh" and employees dubbed "sandwich artists," this is, for 10 points, what eatery which serves \$5 footlongs?

ANSWER: Subway [or Pete's Super Submarines] <JW>

13. One order of organisms that inhabits these places undergoes a metamorphosis in which both eyes migrate to the same side of their heads. Brine pools in these locations are called cold seeps, and are home to disgusting tubeworms. A major source of nutrients in these locations is a type of so-called "snow" consisting of slowly-descending organic detritus, though in some of these locations, hydrothermal vents are also available. Ecologically, these locations are part of the benthic zone. Most fauna here are detritivores, though many other niches arise whenever a whale fall occurs. For 10 points, name these places which are at the bottom of bodies of water.

ANSWER: seafloors [or seabeds; or lake beds; or ocean floors; or anything that expresses the idea of being at the bottom of a body of water; accept benthic zones until read; accept benthopelagic zones until "benthic" is read; prompt on "abyssal"; prompt on "abyssal zones"; prompt on any other answer that contains the word "pelagic" or a derivative thereof; prompt on "deep sea" or similar answers] <AS>

14. In one novel from this country, Mr. Sneaze is mocked by the narrator, an extremely formal house cat. The protagonist of another novel from this country claims that his index finger remembers a woman who is learning to play the *shamisen* despite living with a paralyzed music teacher. In a third novel from this country, a journalist narrates the "sealed moves" in the retirement game of Shusai, who lays down white stones on a board. For 10 points, name this country whose hot springs are a setting for *Snow Country*, in which *I Am a Cat* and *The Master of Go* were written by Natsume Soseki and Yasunari Kawabata.

ANSWER: Japan [or Nippon-koku; or Nihon-koku] <JR>

15. This man argued that a "nutritive" faculty exists even in the souls of plants. He put "polity," a type of mixed constitutional regime whose "perversion" is democracy, among a triad of ideal regimes. This man introduced the idea of *telos*, a purpose for each object which he also called the "final cause". The Muslim thinker Averroes wrote commentaries on this man, who wrote that virtues are the mean between two extremes. This man lectured on *catharsis*, the release of emotions one gets watching tragedy, at his school, the Lyceum. For 10 points, name this author of *Metaphysics*, *Poetics*, and *Nicomachean Ethics*, who tutored Alexander the Great and studied under Plato.

ANSWER: Aristotle of Stagira [or Aristoteles] <MJ>

16. Elements in the period of this number are the first to have *g* electrons. Many compounds containing this number of carbons may be obtained by dimerizing butadiene. This is xenon's highest oxidation state, and also the highest oxidation state observed for any element. The element of this atomic number forms the lightest homonuclear triatomic molecule and is also the most abundant element in the crust by mass. All the noble gases past helium have this many valence electrons, as one expects based on a rule named for this number. For 10 points, what is the atomic number of oxygen and the number of carbons in octane?

ANSWER: eight [or period eight; or plus eight; or octet rule] <AS>

17. In 1930, Gugsu Welle attempted to secure sole control of this country for his wife, Zewditu. In the Ogaden War, the Soviets switched to aiding this country. In the 1980's, the Tigray People's Liberation Front fought against Mengistu, the leader of this country's Derg military junta. Almost a century earlier, at the Battle of Adowa, this nation's Menelik II repelled the Italians, who later returned under Mussolini to conquer this nation. Rastafarians revere this country's 20th-century emperor Haile Selassie. For 10 points, name this East African country which later lost access to the sea when Eritrea gained independence from it.

ANSWER: **Ethiopia** [or Federal Democratic Republic of **Ethiopia**; or **Ethiopian** Empire; or People's Democratic Republic of **Ethiopia**; or ye-**Ityoppya** Federalawi Dimokrasiyawu Ripeblik; or Mangesta **Ityoppya**; or ye-**Ityoppya** Hezbawi Dimokrasiyawu Ripeblik; accept **Abyssinia**] <JW>

18. This building shows a "brazen serpent" on one of its pendentives. A painting of a silver curtain is under Perugino's *Christ Handing the Keys to Saint Peter* in this space, which also shows five depictions of book-reading Sybils. A man with the derisive nickname Il Braghettone painted fig leaves over some nudes in this space. Recent critics have noticed a brain shape near the center of this building among nine wide scenes from Genesis. This room also depicts flayed skin held by Saint Bartholomew in a wall-size depiction of the Last Judgment. For 10 points, name this room in the Vatican, where God touches his finger to Adam on a ceiling painted by Michelangelo.

ANSWER: The **Sistine Chapel** [or **Capella Sistina**; prompt on "Rome," "Vatican City," or the "Apostolic Palace"] <MJ>

19. In this novel, one character skins a lion with Xury and then sells the boy into ten years of indentured servitude. In a later scene, barley loaves are made from grain ground with an iron-wood pestle, and grapes are dried to make raisins. The narrator of this novel tames a parrot named Poll and discovers a penguin colony. Using an animal skin with the pelt facing upward, one character in this novel crafts an umbrella, and his hut-staves sprout leaves after a year. That title character rescues a native from cannibals, teaches him about Christianity, and names him Friday. For 10 points, name this narrative about a castaway on a desert island, by Daniel Defoe.

ANSWER: **Robinson Crusoe** <GL>

20. One character in this book watches a goat kill a ram before it grows four horns. A king in this book is likened to a tree and later spends seven years "eating grass like an ox". Another ruler is slain the same night that he sees the words "*mene, mene, tekel, upharsin*." Three officials in this book, Shadrach, Meshach, and Abednego, fail to worship a golden statue but emerge unscathed after being thrown in a furnace. This book features Belshazzar's feast, where the "writing on the wall" appears and the title prophet interprets it. For 10 points, name this Old Testament book whose title prophet interprets the dreams of Babylonian and Persian kings and survives a lion's den.

ANSWER: Book of **Daniel** <MW>

21. These people signed the Peace of Anatolius with Theodosius II after the death of their leader Rugila. These people were once ruled by a dual monarchy of Bleda and a man who was betrothed to Honoria, the sister of Valentinian III. The father of those two leaders of these people is cited as the ancestor of the Magyars in a modern-day national anthem. Forces led by the Visigoth Theodoric I and by Flavius Aetius, sometimes dubbed "the Last of the Romans," defeated these people at the Battle of the Chalons in 451. Pope Leo I convinced them not to attack Rome. For 10 points, name these nomadic horsemen led by Attila.

ANSWER: **Huns** <JR>

Bonuses

1. Answer these questions about vertical objects used to venerate divine beings in Eastern religions, for 10 points each.

[10] These multi-story, multi-roofed towers are commonly built to serve as Buddhist temples in China and Japan.

ANSWER: **pagodas** [or **tā**; or but**tō**; or **tō**ba]

[10] This Hindu destroyer god with a third eye can be worshipped by pouring perfume or honey onto a stone stump called a linga.

ANSWER: **Shiva** [or **Shiv**; prompt on "Neelakantha" or "Nataraja"]

[10] In the Buddhist tradition, this Sanskrit term denotes tall stone mounds with a rounded top, which are used to store relics or mark holy sites.

ANSWER: **stupas** [there are a bunch of alternate names for these but they aren't the Sanskrit name] <MJ>

2. In this story, Nathanael jumps off a tower after a voice shouts "Nice-a eyes, nice-a eyes!" at him all the time. For 10 points each:

[10] Name this short story by E.T.A. Hoffmann in which Nathanael falls in love with the clockwork automaton Olimpia. He believes that the lawyer Coppelius is the title eyeball-stealing folkloric figure.

ANSWER: "The **Sandman**" [or "Der **Sandmann**"]

[10] In this Edgar Allan Poe short story, the owner of a filmy "vulture eye" is murdered by the narrator. That narrator then hears thumping beneath the floorboards as he is interrogated by the police.

ANSWER: "The **Tell-Tale Heart**"

[10] The eyes of this oculist appear on a billboard overlooking the Valley of Ashes, where rich people such as Tom Buchanan do all sorts of irrational things, in *The Great Gatsby*.

ANSWER: Dr. **T.J. Eckleburg** [accept either underlined part] <GL>

3. The length of the meter is defined in terms of this quantity. For 10 points each:

[10] Name this physical constant whose value is approximately "three times ten-to-the-eighth" meters per second. It is an important parameter in special relativity.

ANSWER: the **speed of light** (in vacuum) [prompt on "c"]

[10] In special relativity, a four-by-four matrix named for this person is used to relate observations of spacetime made by observers in different reference frames. That matrix also typically contains a scalar "factor" named for him.

ANSWER: Hendrik (Antoon) **Lorentz**

[10] In special relativity, the universe is conceived of as having this number of dimensions, since it is treated as a Minkowski space, rather than a Euclidean space. Thus, vectors in special relativity are described by this number.

ANSWER: **four** [or **four**-vector] <ATo>

4. This war began when one force crossed the 38th parallel. For 10 points each:

[10] Name this conflict, in which two countries on an Asian peninsula, one backed by China, the other by the U.S. and U.N., fought from 1950 until the 1953 Panmunjom Armistice.

ANSWER: **Korean War** [or **Hanguk** Jeonjaeng; or **Han'guk** Chonjaeng; or **Joseon** Jeonjaeng; or **Choson** Chonjaeng]

[10] This first leader of North Korea, a grandfather of North Korea's current leader launched the war's opening offensive. He was later declared Eternal President, a title he still holds despite being dead.

ANSWER: **Kim Il-sung** [or **Kim Song-ju**; prompt on "Kim"; do NOT accept or prompt on "Il-sung" or "Song-ju" alone, since those are given names and not surnames]

[10] During the war, the northwest of North Korea gained this nickname from UN forces, due to the presence of Soviet fighter planes here. Along the Yalu River, this region was the site of many dogfights.

ANSWER: **MiG Alley** <JW>

5. In one song by this musician, he declares "I swear you're giving me a heart attack" right before singing the title word. For 10 points each:

[10] Name this singer whose song "Troublemaker" features Flo Rida. His singles "Heart Skips a Beat" and "Dance with Me Tonight" also topped the British charts.

ANSWER: Oliver Stanley "Olly" **Murs**

[10] Murs came in second on 6th season of this show's British version. The boy band One Direction was formed on this talent-search show, created by Simon Cowell years after *American Idol*.

ANSWER: *The **X Factor***

[10] This youngest member of One Direction sings the bridge solo "What Makes You Beautiful." He dated Carolyn Flack when she was almost twice his age. As usual, last name is required.

ANSWER: Harry **Styles** <NW>

6. This set of artworks includes a naked woman clutching a near-naked man on the left of *La Vie*. For 10 points each:

[10] Name this set of depressing paintings. They include an image of a crumpled-up man playing music by the sea, *The Old Guitarist*.

ANSWER: Pablo Ruiz y Picasso's **Blue Period** paintings [accept **Periodo Azul**; prompt on "Picasso paintings" or equivalents]

[10] Picasso hailed from this European country which previously met its quota for depressing artwork with the Black Paintings of Francisco Goya.

ANSWER: Kingdom of **Spain** [or Reino de **España**]

[10] In Picasso's *Guernica*, one of these objects is held into the central indoor scene by a woman extending her arm through a window on the right.

ANSWER: a **candle** [or a **lamp**; or a **torch**; prompt on "light"] <MJ>

7. This one time, the French tried to take control of the Nile. Then they kept doing that thing. For 10 points each:

[10] This ethnic Corsican's planned invasion of Egypt was thwarted by Horatio Nelson's victory at the 1798 Battle of the Nile. This leader of the French army won the Battle of the Pyramids.

ANSWER: **Napoleon Bonaparte** [or **Napoleon** I; or **Napoleone Buonaparte**; accept any underlined name alone]

[10] This 1898 incident was sparked by a French force under Jean-Baptiste Marchand when they tried to hold a namesake town in Sudan and claim the Upper Nile. British forces later arrived and forced the French out.

ANSWER: **Fashoda** Incident [or **Fashoda** Crisis; or Crise de **Fachoda**; accept equivalents mentioning "**Fashoda**"]

[10] This ruler's country got intervened in by France, the UK, and Israel in the 1956 Suez Crisis. The US and USSR rained on France's parade, indirectly helping this leader.

ANSWER: Gamal Abdel **Nasser** <JW>

8. This quantity is currently 7 dollars and 25 cents per hour nationally. For 10 points each:

[10] Name this government-set lower bound on how much workers can be paid, last raised at the federal level in 2009.

ANSWER: **minimum wage**

[10] A 2013 municipal referendum in this state set the minimum wage at its busiest airport to \$15, the nation's highest. In this state's largest city, socialist councilwoman Kshama Sawant supports raising the minimum wage

ANSWER: State of **Washington** [or **Washington** State]

[10] This entrepreneur from Washington State, the founder of a global health and development charity foundation with his wife Melinda, recently expressed caution about raising the minimum wage, calling it "a huge tradeoff."

ANSWER: William Henry "Bill" **Gates** III <JW>

9. In this work Astrov complains about deforestation, and saying that when he plants a tree "my heart swells with pride". For 10 points each:

[10] Name this play in which the title relative of Sonya tries to shot Serebryakov, who had earlier insulted him.

ANSWER: Uncle Vanya [or Dyadya Vanya]

[10] *Uncle Vanya* is by this Russian playwright of *The Cherry Orchard*. He wrote about Konstantin Treplev's suicide in *The Seagull* and wrote numerous short stories.

ANSWER: Anton Pavlovich Chekhov

[10] In this Chekhov short story, Dmitri Gurov runs into Anna Sergeyevna, whom he had met on vacation in Yalta, and they speak of finding a way of living together.

ANSWER: "The Lady with the Little Dog" [or "The Lady with the Lapdog"; or "The Lady with the Pet Dog;" or "Dama s Sobachkoy"] <NW>

10. This trigonal pyramidal molecule is an important component of many fertilizers. It also smells terrible. For 10 points each:

[10] Name this gas that is synthesized in the Haber-Bosch process. Its formula is NH_3 .

ANSWER: ammonia [or azane]

[10] Compounds containing the ammonium ion usually have this property in water, as do nitrates and most sulfates. Most *sulfides* and phosphates, on the other hand, lack this property.

ANSWER: they are soluble in aqueous solution [or word forms like solubility]

[10] This element's chloride is usually not soluble in water. However, in the presence of an excess of ammonia, it dissolves to form a diammine complex with this element, which is called Tollens's reagent.

ANSWER: silver <JR>

11. Many people answer wrongly when asked whether there are more English words that start with K or more words with K as their third letter. For 10 points each:

[10] This heuristic is exemplified by picking the first answer even though more English words have K as their third letter. This bias makes people think an event is more probable based on how readily an example comes to mind.

ANSWER: availability heuristic

[10] This other cognitive bias is the tendency for people to pay attention to information which supports their preconcieved notions and screen out contradictory information.

ANSWER: confirmation bias

[10] Like confirmation bias, this effect is a self-serving bias in which people tend to judge things that have happened as more predictable than they were, leading to claims like "I knew it all along!"

ANSWER: hindsight bias <HX>

12. These entities are typically controlled using a program called a hypervisor. For 10 points each:

[10] Name these non-physical versions of computing systems that are software-based emulations. The "dot NET" framework implements one of these things called the Common Language Runtime.

ANSWER: virtual machines [or VM; or virtual appliance; accept basically anything that includes a form of the word virtual]

[10] Virtual machines are a critical component of this somewhat vaguely-defined distributed computing paradigm, in which the "software-as-a-service" model allows end users to access shared services over a network.

ANSWER: cloud computing

[10] This object-oriented programming language, designed by Sun Microsystems, also runs on a virtual machine. Main functions in this language are "public static void", and GridWorld is implemented in it.

ANSWER: Java [do not accept "JavaScript"] <AS>

13. The core of these compositions usually consists of an Allemande, a Courante, a Sarabande, and a Gigue. For 10 points each:

[10] Give this generic term for a collection of dances. J. S. Bach wrote sets of these for harpsichord nicknamed "English" and "French."

ANSWER: dance suite [or partita; or ordre; prompt on "ouverture"]

[10] Bach's fifth suite for this string instrument requires the performer to tune down their A string to G. Yo-Yo Ma performed part of that suite for this instrument at Ground Zero on the first anniversary of 9/11.

ANSWER: violoncello

[10] Bach also wrote an A minor partita for this instrument. This reedless woodwind instrument related to the recorder plays a "Badinerie" at the end of Bach's second Orchestral Suite.

ANSWER: transverse flute <JR>

14. This poet described returning to the title location after five years in "Tintern Abbey." For 10 points each:

[10] Name this English Romantic poet of "I Wandered Lonely as a Cloud," who collaborated with Samuel Taylor Coleridge on the collection *Lyrical Ballads*.

ANSWER: William Wordsworth

[10] Wordsworth sees these plants "fluttering and dancing in the breeze" in "I Wandered Lonely as a Cloud." He thinks about these flowers on his couch to lighten his "pensive mood."

ANSWER: daffodils [prompt on "flowers"]

[10] This long autobiographical epic by Wordsworth includes an episode where he steals a boat and is frightened by the sight of an enormous mountain peak. This poem begins "O there is blessing in this gentle breeze."

ANSWER: *The Prelude* <JR>

15. At a crucial point in this battle, Sir William Stanley decided to support the eventual winner. For 10 points each:

[10] Name this battle fought near Ambion Hill. The Earl of Northumberland's failure to lead his troops into this battle contributed to its outcome.

ANSWER: Battle of Bosworth Field

[10] This first Tudor king of England established the Star Chamber after he defeated Richard III at the Battle of Bosworth Field.

ANSWER: Henry VII [prompt on "Henry"]

[10] The Tudor emblem contains two of these symbols, embedding a white one representing the Yorkists within the red one of Lancaster. They name the war ended at Bosworth Field.

ANSWER: roses [or a white rose and a red rose] <JR>

16. One living playwright from this country included the civil servant Rene Gallimard, who reveals secrets to a cross-dressing spy, in *M. Butterfly*. For 10 points each:

[10] Name this home country of David Henry Hwang. Its other recent playwrights include the author of *A Raisin in the Sun*, Lorraine Hansberry.

ANSWER: United States of America [accept either underlined part; or U.S.A.]

[10] This profane playwright of *Oleanna* and *American Buffalo* wrote about the insecure real estate salesman Shelley Levene and Ricky Roma in *Glengarry Glen Ross*.

ANSWER: David Mamet

[10] In this two-part, seven-hour play by Tony Kushner, one of the title beings visits the AIDS-stricken Prior Walter, and the Mormon lawyer Joe grapples with his Valium-addicted wife Harper and with Roy Cohn.

ANSWER: Angels in America; *A Gay Fantasia on National Themes* <LL>

17. The *melanogaster* species of this genus of insects sees extensive use as a model organism. For 10 points each:
[10] Name this insect genus in which the *eyeless* gene was discovered. They have compound eyes composed of ommatidia.

ANSWER: **Drosophila** [prompt on "flies"; prompt on "fruit flies"]

[10] These genes, discovered in *Drosophila*, control the way organisms are segmented. One of them, called Antennapedia, triggers the formation of legs and wings.

ANSWER: **Hox** genes [or **homeobox** genes]

[10] Traits with this property were discovered by observing eye color in *Drosophila*. Genes with this property are carried by one of the allosomes, not the autosomes.

ANSWER: **sex-linked** traits <AS>

18. Answer the following about the art of the film score, for 10 points each.

[10] Ennio Morricone wrote scores for Italian films in this genre, including a whistled theme for *A Fistful of Dollars*. Clint Eastwood starred in *The Good, the Bad, and the Ugly*, a film of its "spaghetti" subgenre.

ANSWER: spaghetti **westerns** [or Italian **westerns**; or **Wild West** films; or **cowboy** movies]

[10] This composer wrote the score to Elia Kazan's *On the Waterfront*. He also composed an operetta based on *Candide* and the musical *West Side Story*.

ANSWER: Leonard **Bernstein**

[10] This living composer has written many celebrated film scores, including those to *The Truman Show*, *The Hours*, and *Koyaanisqatsi*. He has rejected the "minimalist" label often applied to his work.

ANSWER: Philip **Glass** <KK>

19. After tasting the heart of the dragon Fafnir, this man learned to understand the language of birds. For 10 points each:

[10] Name this Germanic hero, a son of Sigmund who wrote through a circle of flames to rescue the maiden Brynhild.

ANSWER: **Sigurd** [or **Siegfried**; or **Sifrid**]

[10] Fafnir the dragon sat on a hoard of this substance, which King Midas turned things into with his accursed touch.

ANSWER: **gold** [or **Au**]

[10] This grandfather of Sigurd names an Icelandic saga which, along with the German *Nibelungenlied*, is one of the two key primary sources for the Sigurd story.

ANSWER: **Volsung** [or **Volsung's Saga**; or **Volsunga Saga**] <FM/MJ>

20. After this battle, Charles O'Hara presented a sword to the Comte de Rochambeau, and then to George Washington. For 10 points each:

[10] Name this 1781 battle in southeastern Virginia, where Continental and French troops defeated Cornwallis in the last major firefight of the American Revolution.

ANSWER: Battle of **Yorktown**

[10] Cornwallis used ten of these hilltop forts for defense at Yorktown, surrendering after number 9 and 10 of these structures were captured. They are usually surrounded by a permanent rampart.

ANSWER: **redoubts** [or **earthworks**]

[10] After Yorktown, this general went south to keep loyalists quiet until the Treaty of Paris. This irascible general later defeated a native coalition in the Northwest Territory at Fallen Timbers.

ANSWER: "Mad" Anthony **Wayne** <MJ>

21. This river's tributaries include the Main, the Moselle, and the Ruhr. For 10 points each:

[10] Name this river of Eastern Germany that flows through Düsseldorf and Bonn. Its namesake "land" was remilitarized by Hitler illegally.

ANSWER: **Rhine** River

[10] This German city on the Rhine contains a cathedral that was completed in the 19th century. A citrus-based perfume that originated in and is named for this city is often used by men.

ANSWER: **Cologne** [or **Köln**]

[10] The Rhine, along with the Meuse and the Scheldt, empties into the North Sea in this city.

ANSWER: **Rotterdam** <JR>