



IMSANITY 2

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-ROUND 8-

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Tossups

- (1) In one section of this poem, the speaker asks “what men or gods are these? What maidens loth?” before proclaiming that “Heard melodies are sweet, but those unheard/ Are sweeter; therefore, ye soft pipes, play on.” Other sections describe “happy boughs! that cannot shed/ Your leaves,” and a mysterious priest leading a town to a green altar to be sacrificed. This poem begins by addressing the titular object as a “Sylvan historian,” “unravish’d bride of quietness,” and “foster-child of Silence and slow Time.” For ten points, name this Romantic poem that proclaims that “Beauty is truth, truth beauty,” written by John Keats.

ANSWER: Ode on a Grecian Urn

- (2) The intro variety of one algorithm for this process switches to use of a heap in bad cases. The Spaghetti algorithm for this process requires either specialized software or real spaghetti, and one algorithm for this problem that works by randomly permuting elements may never halt and is called the Bogo algorithm. Always choosing the first element as a pivot results in the worst-case run time of n squared for the best known algorithm for this problem, and another algorithm which may take n squared time works by comparing adjacent elements and is called the bubble algorithm. Recursive algorithms for this process include merge- and quick-. For ten points, name this problem in computer science which seeks to place objects in order.

ANSWER: sorting

- (3) Some members of this group believe that the United States Constitution was divinely inspired, and one of this group’s doctrines is called the Godhead. “The Articles of Faith”, “The Book of Moses”, and “The Book of Abraham” are found in one of this group’s texts, *The Pearl of Great Price*. Blacks were excluded from this group’s religious hierarchy until 1978, and this group was driven out of a settlement at Nauvoo. This group’s central text was translated from “reformed Egyptian” on golden plates. That text was given by the angel Moroni to this group’s founder, Joseph Smith. For ten points, name this offshoot of Christianity whose members include Brigham Young.

ANSWER: Mormonism (or The Church of Jesus Christ of Latter-Day Saints)

- (4) Mount Muztag is the highest point in the Altun Sha forming the northern border of this region, and the Kunlun Mountains separate this region from the Tarim Pendi. The Kailas Range forms the southwestern border of this region, and rivers flowing west from this region include the Sutlej and the Indus. Gelugpa is the predominant variety of this region’s eponymous style of Buddhism, and eastward flowing rivers in this region include the Brahmaputra, Salween, and Mekong. The Dalai Lama lives in Lhasa’s Potala Palace in, for ten points, this high central Asian plateau, bounded to the south by the Himalayas.

ANSWER: Tibetan Plateau (also accept Tibetan Autonomous Region)

- (5) Many Americans were convinced that this event was necessary when Spain revoked Pinckney's Treaty. Another cause of this event was a failed expedition by Charles Leclerc, and this event was made possible by the Treaty of San Ildefonso. Federalist opposition led to a 57-59 vote that failed to prevent this event. Barbé-Marbois and Robert Livingston negotiated this agreement, which was opposed by Talleyrand. A successful slave revolt on Haiti motivated France to agree to this treaty. Livingston was only authorized to spend ten million dollars to purchase New Orleans, but he agreed to this larger agreement anyway, which led to the Lewis and Clark expedition. For ten points, identify this treaty by which Thomas Jefferson doubled the size of the United States.

ANSWER: Louisiana Purchase

- (6) An author with this surname wrote about his relationship with Mona, a fictionalized version of his wife June, in *The Rosy Crucifixion*. Another man surnamed this wrote a work in which Quentin remembers Louise and Holga after the death of Maggie, titled *After the Fall*. One author with this surname wrote about MacGregor and Roy Hamilton, friends of a character who works at the Cosmodemonic Telegraph Company in the semi-autobiographical *Tropic of Capricorn*. In addition to Henry, a more famous author with this last name wrote about the husband of Linda committing suicide in a car crash to give his family insurance money. For ten points, give the surname of the author who created Willy Loman in *Death of a Salesman*, Arthur.

ANSWER: Miller

- (7) Bertrand's Postulate states that one of these numbers lies between each positive integer and its double. A theorem of Fermat says that one of these numbers is the sum of two squares if it is one greater than a multiple of four. It is conjectured that infinitely many of the twin type of this number exist, and Euclid proved that infinitely many of these exist by showing that the product of all of these numbers plus one could not be divisible by any of them. Every natural number can be written as a product of these numbers. For ten points, name this type of number whose only factors are one and itself.

ANSWER: prime numbers

- (8) This artist created a tempera painting that depicts a man with donkey ears in his *Calumny of the Apelles*. Savonarola may have influenced this man's only signed work, which depicts several angels dancing while the central figure is standing over a child, entitled *The Mystical Nativity*. A dark winged figure appears on the right while several other figures stand in an orange grove in his *The Allegory of Spring*. His most famous work depicts the Roman goddess of love standing on a seashell. For ten points, name this painter of *The Birth of Venus*.

ANSWER: Sandro Botticelli

- (9) This man lost his job after proposing the Anti-Socialist Laws and then trying to defeat those laws. After gaining territory to the north, he negotiated the Gastein Convention in order to cause another war. He used the poisoning of a lion as an excuse for banning the Jesuits, part of his anti-Catholic Kulturkampf. He published a conversation between Count Benedetti and Wilhelm I, the Ems Dispatch. He formed the Triple Alliance with Austria and Italy, but was fired by Wilhelm II. For ten points, name this first Chancellor of Germany and practitioner of realpolitik who used “Iron and Blood” to unite Germany.

ANSWER: Otto von Bismarck (or Otto Eduard Leopold, Prince of Bismarck, Duke of Lauenburg)

- (10) The namesake wet process of this substance uses a vanadium oxide catalyst to cause the oxidation of a chemical that, when added to water, produces this substance. The lead chamber process made use of the Glover tower to produce this compound. This can also be synthesized by the addition of water to oleum, or its “fuming” variety, in the contact process. It serves as a catalyst in the nitrosylation of nitrobenzene, and a superacid is considered to be any acid that is stronger than this acid. For ten points, name this acid with formula H_2SO_4 .

ANSWER: sulfuric acid (accept H_2SO_4 before mention)

- (11) One of these entities kicks the pillars of the world when he is angry, causing earthquakes, and another of them trapped her sister, Ishtar, who was only able to leave when Dumuzi took her place. In addition to Kisin and Erishkagal, the Norse one of these was said to be half black and half white and had an exposed skeleton. Izanami took this role after she gave birth to Kagu-Tsuchi. The Greek holder of this position gained a wife with a fondness for pomegranates, Persephone, and the Egyptian one was once cut into many pieces by his brother. For ten points, name this type of god, examples of which include Hel, Osiris, and Hades.

ANSWER: Deities of the Underworld (accept equivalents, accept Kisin before “another”)

- (12) In this country, one group perpetrated genocide against the Moriori of the Chatham Islands. Potatau I was crowned as a result of that group’s King Movement. James Busby drafted this nation’s Declaration of Independence in 1834, and this country was the first in the world to enact universal female suffrage in 1893. William Hobson signed a treaty in this country that granted the British the first offer on land; that treaty was the Treaty of Waitangi. This country was first discovered by Abel Tasman and settled by the Polynesians. For ten points, name this homeland of the Maori people with North and South Islands and capital at Wellington.

ANSWER: New Zealand (or Aotearoa)

- (13) This writer wrote of a character who begs her lover to come back by saying that her dowry was the numerous times she'd saved his life. He wrote fictional letters from women like Medea, Ariadne, and Penelope to their "heroic" lovers in *Heroides*. He laments a "carmen et error" which caused Augustus to exile him to Tomis in the collection *Tristia*. This author also wrote about Apollo turning a raven's feathers black after he killed his love, Coronis. In his most famous work, which introduces the story of Pyramus and Thisbe, Galatea transforms into a woman and Daphne changes into a laurel. For ten points, name this Roman author of *Ars Amatoria* and *Metamorphoses*.

ANSWER: Ovid

- (14) Einstein showed that a gravitational field is the same as this quantity for a system through his equivalence principle. This quantity's angular form is equal to torque divided by moment of inertia. For an object in circular motion, its centripetal variety is calculated by dividing the square of the object's velocity by the radius of the object's circular path. Defined in kinematics as the rate of change of velocity, for ten points, identify this vector quantity measured in units of meters per second squared.

ANSWER: acceleration

- (15) Shrill octaves in the woodwinds signal the arrival of Judgment Day and four brass sections are positioned at different parts of the stage in the *Tuba mirum* of this composer's *Dies irae* movement. His most well-known operas include *Les Troyens* and *Benvenuto Cellini*. His second symphony features an extensive viola solo written for Paganini and was inspired by a Lord Byron work; that piece is entitled *Harold in Italy*. His most famous composition features an idée fixe and an opium-induced dream in which an artist hallucinates himself murdering his beloved and facing his execution after a "March to the Scaffold". For ten points, name this French Romantic composer of the *Symphonie fantastique*.

ANSWER: Hector Berlioz

- (16) Sohaib Athar wrote a notable account of this event. At one point during this event, a soldier laid down next to a dead body to determine its height. Operation Infinite Reach was an earlier attempt to achieve the same goal as this event, whose central figure had the codename Geronimo and had earlier escaped from Tora Bora. One helicopter crashed and was intentionally destroyed with explosives during this event. The insignia of the special forces were referenced in this event's codename, Operation Neptune Spear. Occurring in Abbottabad, Pakistan and announced by President Obama on May 1, 2011, for ten points, name this event in which Seal Team Six successfully raided the compound of an al-Qaeda leader.

ANSWER: death of Osama bin Laden (accept either underlined name, accept equivalents of "assassination", "murder", or "capture" in place of "death", accept Operation Neptune Spear before mention, accept overly-specific answers about the helicopters in the mission being noisy on an early buzz)

- (17) The blood of one member of this phylum contains Limulus Amoebocyte Lysate, which contains clotting factors. Though they are not molluscs, the most common respiratory pigment among this phylum is copper-based hemocyanin, and they contain the hemocoel, a body cavity which contains the hemolymph that bathes the organs of organisms. Another member of this phylum was a three-lobed organism prominent during the Paleozoic era, the trilobite. Some estimates state that up to eighty percent of animal species belong to this phylum. For ten points, name this invertebrate phylum, characterized by open circulatory systems, exoskeletons, and jointed appendages, which include arachnids, crustaceans, and insects.

ANSWER: arthropods or arthropoda

- (18) The only aria from this opera in a minor key comes at the beginning of Act IV and is about the distress over a lost pin. Act I opens with the title character measuring the space for his wedding bed. At the end of that act, the Count catches his page cavorting with the gardener's daughter, for which he is sent off to join the army and the title character sings "Non più andrai". While dressed as a girl, Cherubino sings a song of love, "Voi che sapete", and this opera's single day of madness culminates with Count Almaviva trying to seduce his own wife while she is disguised as their maid Susanna. The continuation of *The Barber of Seville* is, for ten points, which Mozart opera?

ANSWER: The Marriage of Figaro (or Le nozze di Figaro, ossia la folle giornata)

- (19) One novel from this nation revolves around the nurses and children of the dying Elizabeth Hunter. In another novel partially narrated by "S.C.", Mary Hearn moves out of this country while her lover stays to rescue his mother. In addition to *The Eye of the Storm* and *The True History of the Kelly Gang*, one work from this country is about two characters who bet about moving a glass church over three hundred miles in *Oscar and Lucinda*. Other authors from this country wrote about Laura Trevelyan and a German explorer in *Voss* as well as a Nazi who saves Jews in *Schindler's Ark*. For ten points, name this country, home of the authors Patrick White, Thomas Keneally, and Peter Carey.

ANSWER: Australia

- (20) This battle saw the debut of the Mark One, the first tank to be used in warfare. It was started in order to draw troops away from the Battle of Verdun. Douglas Haig was unconcerned with large casualties compared to the other commander Ferdinand Foch. The Germans were pushed back only six miles at the deepest, although this battle eventually forced a German retreat to the Hindenburg line. It began with a heavy artillery barrage that failed to suppress German fire, leading to sixty thousand British casualties in the bloodiest day of their military history. For ten points, name this 1916 World War I battle with over a million casualties that was fought along the namesake river.

ANSWER: Battle of the Somme River (or Somme Offensive)

- (21) A preliminary *Study for [this painting]* saw only four figures, but the final version saw a fifth added, modeled off of Gordina de Groot. The only figure not wearing a hat in this painting sits with her back facing outward showing her pigtails. A framed picture on the left side of this painting hangs beside a clock signalling seven. One figure raises a cup to a second who is busy serving drinks to the others, while two figures on the other side of the table partake in the titular food item. Lit only by a central hanging oil lamp, for ten points, name this painting of a peasant family eating dinner, a work by Vincent van Gogh.

ANSWER: The Potato Eaters (or De Aardappeleters)

Bonuses

- (1) Their length serves as the basis of Lebesgue measure. For ten points each:



[10] Identify these sets of real numbers having the property that any number between two numbers in the set is also in the set. Their open and closed varieties are denoted with parentheses and brackets, respectively.



ANSWER: intervals

[10] In geometry, a region in the plane has this property if, given any two of its points, the line segment connecting them is also in the region. Polygons with no angle larger than 180 degrees have this property.

ANSWER: convex

[10] For any set of points, this is the smallest convex set containing all of them.

ANSWER: convex hull

- (2) It is the longest-running science fiction show on television and has featured eleven different actors for the same main character. For ten points each:



[10] Name this British science fiction series, featuring actors including Christopher Eccleston and Matt Smith, in which the titular character is hunted by Daleks trying to “Exterminate!” him.



ANSWER: Doctor Who

[10] The Doctor travels through space and time in this vehicle. Its chameleon circuit is broken, causing it to constantly appear as a blue police box.

ANSWER: TARDIS (or Time and Relative Dimension in Space)

[10] Name or number is acceptable: One regeneration of the Doctor is this man, who first appeared in the serial *Planet of the Spiders* and died in *Logopolis*. He was notable for offering jelly babies and wearing an incredibly long scarf.

ANSWER: Tom Baker (or fourth Doctor, prompt on “Baker”)

- (3) Name some Platonic dialogues for ten points each.



[10] This work defines justice as “what is good for the stronger” and also presents Plato’s theory of forms. This dialogue calls for “philosopher kings” and features the Allegory of the Cave.



ANSWER: The Republic (or Politeia)

[10] This dialogue takes place at a drinking party and features speeches by Aristophanes, Alcibiades, and Agathon about the nature of love. Socrates concludes that love is a philosopher.

ANSWER: Symposium

[10] The title character of this work arrives at the Porch of the King Archon to lay charges of murder against his father. This dialogue’s namesake dilemma asks whether the pious is loved by the Gods because it is pious, or pious because it is loved by Gods.

ANSWER: Euthyphro

- (4) He studied at the Leipzig Conservatory and forged lasting relationships with Liszt, Grainger, and Tchaikovsky throughout his career. For ten points each:
- △ [10] Identify this Norwegian composer of a Piano Concerto in A minor who also wrote the “Elfin Dance”, “Arietta”, and sixty-four other short pieces for solo piano in his *Lyric Pieces*.
 ▽ **ANSWER:** Edvard Grieg
- [10] One of Grieg’s more famous works is this suite written “in olden style” to celebrate the birth of the namesake Danish playwright. Its five movements are all based on eighteenth-century dance forms.
ANSWER: Holberg Suite (or From Holberg’s Time)
- [10] Grieg’s most well-known composition is the incidental music to this Henrik Ibsen play. Two of its movements include “In the Hall of the Mountain King” and “Morning Mood”.
ANSWER: Peer Gynt (accept Peer Gynt Suite)
- (5) The main character is in love with Clavdia Chauchat, but she is in love with the Dionysian Mynheer Pepperkorn. For ten points each:
- △ [10] Name this novel in which Hans Castorp visits his cousin in a Tuberculosis Sanatorium and ends up staying for seven years right before the outbreak of World War I.
 ▽ **ANSWER:** The Magic Mountain
- [10] *The Magic Mountain* was written by this author of *Buddenbrooks* who wrote about Gustav von Aschenbach and a cholera epidemic in *Death in Venice*.
ANSWER: Thomas Mann
- [10] This other Mann work focuses on the assassination of Cipolla by the titular Italian waiter.
ANSWER: Mario and the Magician
- (6) Answer the following about Ethiopia for ten points each:
- △ [10] This European nation attempted to conquer Ethiopia twice, in 1895 and 1935, succeeding the second time.
 ▽ **ANSWER:** Italy
- [10] In the first Italian invasion of Ethiopia, Menelik II’s forces overwhelmed Italian forces at this battle. In the aftermath, Italy recognized Ethiopia’s independence. Mussolini claimed that the second invasion was an attempt to avenge this battle.
ANSWER: Battle of Adowa
- [10] This emperor of Ethiopia made an impassioned 1936 speech at the League of Nations condemning Italian use of chemical weapons.
ANSWER: Haile Selassie I (or Tafari Makonnen)

- (7) Though often despised by all other gods, trickers are useful for humanity as they give us things like fire. For ten points each:



[10] This god stole from the Fire Beings and was stuck with his own name because no one else wanted it, although he was given the power of shape-shifting with the responsibility of making the world safe for the Native Americans.



ANSWER: Coyote

[10] This other native American god created the world by dropping a stone while flying away from bird-land, and the smoke from his stolen fire turned his feathers black.

ANSWER: Raven

[10] This Carribean spider god got his stories by capturing Onini the Python, Osebo the Leopard, the Mmoboro Hornets, and Mmotia the dwarf and giving them to the god of the sky, Nyame.

ANSWER: Anansi

- (8) The name of this field of study was coined by Max Planck, and it describes the wave-particle duality between energy and matter. For ten points each:



[10] Identify this field, named because some physical quantities concerned in it come only in discrete amounts.



ANSWER: quantum mechanics (or quantum theory)

[10] The absolute value of the square of this quantity as a function of x and t gives the probability density for a particle being at location x . It is given as the Greek letter psi, and is often written in bra-ket notation.

ANSWER: wavefunction

[10] This description of quantum mechanics was formed in response to the findings of quantum mechanical experiments that did not correspond with classical physics. Much of it was developed by Heisenberg and Bohr, and it was named for the city in which those two scientists worked in the 1920s.

ANSWER: Copenhagen interpretation

(9) Let's see how much you know about the works of Anton Chekhov for ten points each:

△ [10] Characters in this Chekhov play include one who likes to eat sweets and play billiards, Gayev, as well as the servant Dunyasha. Near the end, one can hear the sound of axes chopping down the title location at Ranevsky's estate, which is bought by Lopakhin at an auction.

ANSWER: The Cherry Orchard (or Vishniovy Sad)

[10] Pyotr Sorin, who is the brother of the retired actress Irina Arkadina, suggests that the protagonist of this Chekhov play write a short story, "The Man Who Wished." That protagonist, Konstantin Treplev, later shoots himself after Nina and Trigorin have an affair.

ANSWER: The Seagull (or Chakya)

[10] In this short story, a lawyer leaves his fifteen-year solitary confinement five hours early in order to renounce the two million ruble wager made between him and a banker. The title action is sparked by an argument over the comparative morality of the death penalty and life imprisonment.

ANSWER: The Bet

(10) In the introduction to Ruth Benedict Fulton's work on it, Margaret Mead defined this concept as "personality writ large". For ten points each:

△ [10] Identify this title concept of Fulton's book *Patterns of [this]*, in which she described the gestalt of different Native American peoples. It is defined as the characteristic beliefs and behaviors of a group.

ANSWER: culture

[10] Fulton advocated this school of cultural study, in which understanding of a culture can only come from within. As a corollary, although some practices may seem barbaric to an outsider, according to members of this school, judgment cannot be passed.

ANSWER: cultural relativism or relativist

[10] One advocate of cultural relativism, Clifford Geertz, described this seemingly-barbaric sport of Bali in his essay *Deep Play*.

ANSWER: cockfighting

(11) This man denounced the Bulgarian horrors. For ten points each:

△ [10] Name this liberal rival of Disraeli who served four terms as British Prime Minister.

ANSWER: William Ewart Gladstone

▽ [10] Gladstone negotiated the Kilmainham Treaty with Charles Parnell, which was part of his attempts to achieve this goal. A third bill to achieve this goal finally passed after the Easter Rising.

ANSWER: Irish home rule (prompt on partial answer, do not accept "Irish Independence")

[10] Gladstone's third term ended after the death of this popular general in Khartoum, Sudan. He also suppressed the Boxer Rebellion in China.

ANSWER: Charles George "Chinese" Gordon

- (12) Abraham Lincoln was photographed giving his inaugural address in front of this building while its dome was still under construction. For ten points each:



[10] Name this government building where the Senate and the House of Representatives meet.



ANSWER: The Capitol Building

[10] This architect, known as the father of American architecture, oversaw construction of the Capitol Building with Charles Bullfinch. He also designed the first Roman Catholic cathedral in America, the Baltimore Basilica.

ANSWER: Benjamin Henry Latrobe

[10] This man oversaw the design competition for the Capitol Building from 1792 to 1793 before being serving as United States President from 1801 to 1809.

ANSWER: Thomas Jefferson

- (13) It begins "I have done it again. One year in every ten I manage it." For ten points each:



[10] Name this poem which describes someone who returns to life, concluding "Out of the ash I rise with my red hair And I eat men like air."



ANSWER: Lady Lazarus

[10] In this novel by the author of *Lady Lazarus*, the main character eventually stops seeing Buddy Willard, and her friend Joan Gilling kills herself, although the autobiographical protagonist, Ester Greenwood, recovers from her depression.

ANSWER: The Bell Jar

[10] *Lady Lazarus* and *The Bell Jar* were both written by this author of *Daddy*. After her suicide, her husband, Ted Hughes, collected her poems into *Ariel*.

ANSWER: Sylvia Plath

- (14) He believed that a ruler should rule his family as he ruled himself and rule his family after he cultivated his heart. For ten points each:



[10] Identify this Chinese philosopher who focused on five relationships in his namesake belief system.



ANSWER: Confucius

[10] Most of what we know about Confucius is found in this book. Many of the chapters are titled after students of Confucius or governmental officials.

ANSWER: Analects (or Lun Yu)

[10] This other Confucian philosopher believed in the innate goodness of humanity, and his namesake book was a collection of longer dialogues and prose.

ANSWER: Mencius

(15) One of these belonging to the family Orthomyxoviridae is responsible for causing the flu.

For ten points each:

[10] Name these infectious particles, considered to not be living, responsible for diseases such as polo and shingles.

ANSWER: viruses

[10] One type of virus is this one, which infects bacteria. They consist of a head, collar, and tail, and were used in the Hershey-Chase experiment to identify DNA as the genetic material.

ANSWER: bacteriophages

[10] Viruses may reproduce this cycle in which they insert their nucleic acid into the host DNA. It involves a prophage, and is contrasted with the lytic cycle, and kills the infected cell.

ANSWER: lysogenic cycle

(16) Posets are mathematical structures with an ordering relation obeying this property. For ten points each:

[10] Name this property of a relation which states that if a is related to b and b is related to c , then a is related to c .

ANSWER: transitive property or transitivity

[10] This property of a relation states that a is always related to a .

ANSWER: reflexive property or reflexivity

[10] A relation which is transitive and reflexive in addition to obeying the symmetric property is known as one of these. Similarity of triangles and equality are notable examples.

ANSWER: equivalence relation

(17) Polymorphism refers to the ability of these to exist in multiple forms. For ten points each:

[10] Name these materials, whose structures can be described by a Bravais lattice, examples of which include orthorhombic and cubic.

ANSWER: crystal lattices

[10] This law states that as the temperature of a pure crystal approaches absolute zero, its entropy also approaches zero. This law was formulated by Walther Nernst.

ANSWER: Third Law of Thermodynamics

[10] For a material to have zero entropy at absolute zero, it must be in this configuration. It refers to a system in the lowest possible energy state.

ANSWER: ground state

(18) The titular character is given the sword Hrunting by Unferth and is the king of the Geats.

△ For ten points each:

▽ [10] Name this old English epic poem about the titular character defeating Grendel and its mother before a dragon kills him.

ANSWER: Beowulf

[10] Beowulf was famously translated by this Irish poet. He collected his poems in such works as *Wintering Out*, *The Haw Lantern*, *Station Island*, and *Door into the Dark*.

ANSWER: Seamus Heaney

[10] One poem in this book by Heaney is “Mid-term Break,” and this collection gets its title from a poem about a boy who loses his interest in collecting frogspawn after learning about it in school.

ANSWER: Death of a Naturalist

(19) Answer the following about an unpopular president for ten points each:

△ [10] The Chicago Times responded to this failure of a speech by saying, “The cheek of every American must tingle with shame as he read the silly, flat and dishwatery utterances.” It began “Four score and seven years ago,” claimed that “government of the people, by the people, for the people, shall not perish from the earth,” and was delivered by Abraham Lincoln.

ANSWER: Gettysburg Address

[10] This Secretary of State to Lincoln bungled the Trent affair, almost leading to war with Britain, and wasted 7.2 million dollars to buy his namesake “folly,” Alaska.

ANSWER: William Seward

[10] One of Lincoln’s most tyrannical actions was suspending the writ of habeas corpus contrary to the Supreme Court’s decision in this case. He ignored the result.

ANSWER: Ex parte Merryman

(20) He was a professor of Roman Law at the University of Dorpat before he became an artist.

△ For ten points each:

▽ [10] Name this artist of many works titled *Composition* who authored the book *Concerning the Spiritual in Art*.

ANSWER: Wassily Kandinsky

[10] Counting as members such figures as Paul Klee and Lyonel Feininger, this group was founded by Kandinsky. It was named after one of Kandinsky’s 1903 works, which features the titular character traveling by horse across a hilly green landscape.

ANSWER: Blue Riders

[10] Kandinsky was an artist from this large Slavic country. Other artists from this nation include Alexey von Jawlensky and Valentin Serov.

ANSWER: Russia

(21) Spherical aberration occurs because a spherical shape is not ideal for this kind of object.



For ten points each:



[10] Name these objects, coming in convergent, divergent, and biconcave varieties, which can be used to focus light.

ANSWER: lenses

[10] The virtual kind of this entity produced by a lens occurs when the outgoing rays from an object diverge. In contrast, the real kind of these are produced when the outgoing rays from an object converge at a single point.

ANSWER: images

[10] This angle is the angle at which a light ray with a certain polarization must strike a surface for all its reflected light rays to be polarized into one plane.

ANSWER: Brewster's angle