

Ladue Invitational Spring Tournament IV

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Round 10

Tossups

1. Raikov's theorem concerns the Poisson distribution of the sum between two of *these types* of random variables whose difference is plotted in a Skellam distribution. If the covariance is zero, then two events satisfy this property, which is shared by outcomes of Bernoulli trials. If one of two events occurs with probability (*) zero, then those two events with this property can also be mutually exclusive. Events with this property have a joint probability equal to the product of their individual probabilities, examples of which include flipping coins and rolling dice. For ten points, name these types of events whose outcomes do not affect each other's.

ANSWER: **independent** probabilities/events/variables [accept word forms such as **independence**]

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2. Special alcoves are placed on tombs in a festival in this religion that "feeds the dead", and the *tambú* drum is played at its religious services. Practitioners of this religion believe in entities like *luga-rou* and *baka* and claim that people have two inner forces, the *gros bon ange* and *ti bon ange*. Female and male priests in this religion are known as (*) *Mambos* and *Houngans*, respectively. While this religion acknowledges the supreme god Bondye, lesser entities like the tuxedo-wearing Baron Samedi and the crossroads guardian Papa Legba, known as *loa*, are the primary means of communication. For ten points, identify this Haitian syncretic religion that has namesake dolls.

ANSWER: **Voodoo** [or **Voudon**]

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3. This man exposed wasteful spending during the construction of Fort Leonard Wood as head of the Special Committee to Investigate the National Defense Program. This man's Presidential Library was the first to be created and is located in Independence. After criticizing a (*) "Do-Nothing Congress" in his presidential campaign, this man was photographed holding up a copy of the *Chicago Tribune* which erroneously claimed that Thomas Dewey had defeated him in the 1948 election. For ten points, name this President who ordered the use of atomic bombs on Japan after succeeding Franklin Roosevelt.

ANSWER: Harry S **Truman**

<BZ>

4. Lichtenberg figures appear the skin of people who are victims of this phenomenon, and the formation of red colored sprites is due to the positive type of this phenomenon. Gamma rays produced from this phenomenon may carry the potency of a CT scan, and this phenomenon is capable of producing (*) St. Elmo's fire. It is categorized as IC, CC, and CG, and its ball variety is rumored to appear as spherical plasma. They reach temperatures of five times the surface of the Sun's, and metal rods protect buildings from being struck by them. For ten points, identify these bright flashes of electrical discharge usually seen during a thunderstorm.

ANSWER: **lightning** [accept **ball lightning** before "Lichtenberg"]

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5. According to the myths of the Navajo and Pueblo, the world was created by an old woman who took the form of this creature. In the myth of the Lakota, dreamcatchers were created by a god in the shape of this animal named Iktomi. Another one of these creatures was a son of Asase Ya who brought back a leopard, snake, dwarf, and hornet before his father Nyame gave him all the (*) stories in the world. Athena turned a woman into one of these animals after she depicted the affairs of the gods in her weaving. In West African folklore, the trickster god Anansi was one of these creatures. For ten points, name this eight-legged animal that Arachne was turned into.

ANSWER: spiders

<BZ>

6. In this work, one character bankrupts the servant Briggs and the landlord Raggles, and that character earlier plays charades as the character of Clytemnestra. Another character in this work flees to India after leaving his godson to a woman who graduated from Miss Pinkerton's Academy. The protagonist pursues relationships with the Marquis of Steyne and Jos after a failed marriage with (*) Rawdon Crawley in this work, whose title is inspired from a line in *The Pilgrim's Progress*. Dobbin eventually marries the friend of Becky Sharp, Amelia Sedley, in, for ten points, what "novel without a hero" written by William Makepeace Thackeray?

ANSWER: Vanity Fair: *A Novel without a Hero*

<KT>

7. This policy was implemented in Switzerland as late as 1971 after a failed national vote in 1959. Diego Velazquez's *Rokeby Venus* was vandalized in support of this cause, and an advocate for it named Emily Davidson was killed after stepping in front of George V's horse at the Epsom Derby. The WSPU campaigned in support of this idea and was founded by the (*) Pankhurst family, who were viewed as too violent by Millicent Fawcett, another supporter of this cause. This right was first granted by the Representation of the People Act in 1918. For ten points, name this right which was given to women in the United States by the 19th Amendment.

ANSWER: women's suffrage [accept right to vote or voting; accept giving women the right to vote or similar answers]

<BZ>

8. This athlete began his career after winning the Iron Kids Triathlon at the age of 13, and one notable victory for this man occurred three days after the death of teammate Fabio Casartelli. He took a treatment containing ifosfamide to avoid damaging his lungs with bleomycin, a decision that followed an (*) orchiectomy to remove his diseased testicle. In 2000, he earned his second yellow jersey over rival Jan Ullrich, who claimed, "that's how it was back then" to defend this man against drug allegations. For ten points, name this American cyclist who was stripped of his 7 Tour de France titles after a U.S. Anti-Doping Agency report.

ANSWER: Lance Edward Armstrong [accept Lance Edward Gunderson]

<SC>

9. A young child on the left side of this painting holds a horn, and a dog barks at a man beating a brown drum on the opposite end. In this painting, a musketeer dressed in red stands in front of a man who hoists a large blue and yellow flag. A chicken dangles from the belt of a young girl whose (*) golden dress is illuminated near the lower left of this work. In its center, a man wearing a red sash gestures at a lieutenant wearing a white sash. For ten points, identify this painting by Rembrandt van Rijn that depicts the militia of Frans Banning Cocq.

ANSWER: *The Night Watch* [or *Die Nachtwacht*; accept *The Shooting Company of Frans Banning Cocq* or *The Company of Captain Frans Banning Cocq and Lieutenant Willem van Ruytenburch Preparing to March Out* before "Frans Banning Cocq" is mentioned]

<KT>

10. In Minkowski space, the four-vector form of this quantity is computed as the derivative of U with respect to proper time and represents a curvature vector along a world line. For a simple harmonic oscillator, this quantity equals negative omega squared x, while its (*) centripetal variety is directed towards the center. Holding this value constant results in a line with constant slope on a velocity-time graph. This quantity can be found by dividing force by mass according to Newton's Second Law, and is equal to 9.8 meters per second squared due to Earth's gravity. For ten points, identify this rate of change in velocity.

ANSWER: acceleration [prompt on "a"]

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11. This author wrote a novel in which a character who enjoys "fish with dynamite" is the right hand man of a man who almost died by a falling tree and cherishes the view atop "Mount Vision", Judge Marmaduke Temple. In another of his works, Tamenund, the "Sache" of the Delaware, frees his prisoners after witnessing a turtle tattoo. In that work by this author of (*) *The Pioneers*, Magua kills the son of Chingachgook, Uncas, despite the attempts of Hawkeye to save him. For ten points, name this American author who wrote about Natty Bumppo in *The Last of the Mohicans*, the second of his *Leatherstocking Tales*.

ANSWER: James Fenimore Cooper

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12. This composer collected a set of concertos dedicated to Vettor Delfino in his *La Stravaganza*. The Assyrian king Nebuchadnezzar sends Holofernes to seize the town of Bethulia in his only-surviving oratorio, *Juditha triumphans*. He wrote several compositions for the Ospedale della Pietà. Two violas in another of his works represent (*) barking dogs, and that set includes sections on singing cuckoos and a sleepy shepherd. Nicknamed "The Red Priest," this composer wrote *The Contest Between Harmony and Invention*, which includes "Spring" and "Winter" concertos. For ten points, name this Italian Baroque composer of *The Four Seasons*.

ANSWER: Antonio Lucio Vivaldi

<KT>

13. The cold plasma process can be used to produce this compound, which can be used to cleave alkenes and alkynes in a reaction that often leads to the cracking of rubber tubes. It can react with cyanides and urea to reduce their toxicity, and unlike its more common counterpart, this molecule is diamagnetic. It can be measured in (*) Dobson units, and the tropospheric variety of this compound present in smog is an eye irritant, while free radical reactions with CFCs in the stratosphere lead to this molecule's degradation. For ten points, identify this molecule comprised of three oxygen atoms that forms a layer in the stratosphere which shields the Earth from UV radiation.

ANSWER: ozone [or O₃]

<EC>

14. One character in this work is exiled to Suma after his secret affair with his brother's concubine is revealed, and that character's mother dies when he reaches three years of age. The title character of this work perfectly dances "The Waves of the Blue Sea" and is frustrated with his wife (*) Aoi. The "Uji" chapters of this work concern Kaoru and Niu, while a chapter preceding it is intentionally left blank to imply the death of the protagonist, who secretly has a child named Reizei with Lady Fujitsubo. For ten points, name this work about the title philandering prince sometimes considered to be the first modern novel, which was written by the Japanese noblewoman Murasaki Shikibu.

ANSWER: *The* Tale of Genji [or Genji Monogatari]

<KT>

15. The Blue Bra Girl has become a symbol for women's rights in this country. Ahmed Shafik narrowly lost the 2012 election in this country to the candidate of the Freedom and Justice Party. A July 2013 coup d'état led by Abdul Fatah al-Sisi in this country resulted in the elevation of Adly (*) Mansour to the position of Interim President. Pope Tawadros II has condemned the attack on Coptic Christians in this country, where protesters from the Muslim Brotherhood attempt to reinstate ousted president Mohamed Morsi. For ten points, identify this country where Hosni Mubarak once ruled from Cairo.
ANSWER: Arab Republic of Egypt

<JD>

16. The similarity of this structure between mice and humans supports Ohno's law about the conservation of these structures in mammals. A mutation in the FMR1 gene results in a small constricted band on the bottom of this structure, which makes it appear easily breakable. The gene XIST produces RNA to silence it, and to avoid a double dosage, one of these structures is inactivated via lyonization and becomes a (*) Barr body. Turner syndrome is caused by a missing one of these chromosomes, and diseases linked to it, like hemophilia and color blindness, are more common in males. For ten points, identify this sex chromosome, two of which are possessed by females.

ANSWER: X chromosome [accept just X after "chromosome" is read; prompt on "chromosome" until mentioned]

<BZ>

17. One city in this state contains the Batman building, named due to its resemblance to Batman's mask, as well as a replica of the Parthenon. A river named after this state is formed from the confluence of the French Broad and Holston Rivers. That river, along with the (*) Cumberland River, forms the boundaries of the Land Between the Lakes, which this state shares with its northern neighbor. Gatlinburg and Clingmans Dome lie in the Great Smoky Mountains of this state which is home to Civil War battlegrounds at Murfreesboro and Shiloh, and whose other attractions include the Grand Ole Opry and Graceland. For ten points, identify this state with cities like Chattanooga, Knoxville, and Memphis.

ANSWER: Tennessee

<JD>

18. One president of this country supplied his Caravan of Death with helicopters. That president also ordered his secret police, the DINA, to assassinate Orlando Letelier. Pedro de Valdivia was killed by native Mapuche in this country, which won a war caused by a tax on (*) saltpeter mining. As part of Operation Condor, one Marxist president of this country was ousted in a 1973 CIA-backed coup. This country, whose independence was orchestrated by Bernardo O'Higgins, won against Bolivia and Peru in the War of the Pacific. For ten points, identify this country once led by Salvador Allende and Augusto Pinochet from Santiago.

ANSWER: Republic of Chile

<JD>

19. In one work by this writer, Macaria offers herself for sacrifice in response to the oracle given to King Demophon, after which Iolaus successfully captures Eurystheus. This man also wrote a work in which Polyxena is sacrificed at Achilles' tomb and the Greek herald Talthybius reveals the fates of (*) Hecuba and Andromache. This author of *Herakles' Children* and *The Trojan Women* also wrote a play set in Corinth in which one character sends a poisoned robe to Glauce and Creon and kills her own children. For ten points, identify this Greek tragedian who described the jealousy of Jason's wife in his play, *Medea*.

ANSWER: Euripides

<KT>

20. This work claims that appetite and aversion underlie all “Passions” of humans after dividing animal motion into “Vital” and “Voluntary” components. It lists judicial and law-making authority as two of the twelve principal rights of Commonwealths. Besides stating that (*) absolute monarchy is the best of three types of government, a section titled “Of the Kingdom of Darkness” explains four causes of ignorance. This work warns of a “war of all against all” and describes life as “nasty, brutish, and short.” For ten points, identify this treatise by Thomas Hobbes titled after a biblical sea monster.

ANSWER: Leviathan or *The Matter, Forme and Power of a Common Wealth Ecclesiasticall and Civil*

<KT>

21. A migration of the Helvetii tribe served as the pretext for a conflict in this region that resulted in the expulsion of Ariovistus. One rebellion in this region was led by the Eburones under Ambiorix, while a later rebellion saw the massacre of the entire population of Avaricum and a siege that featured the construction of a circumvallation and a contravallation. It was said to be divided into three parts in a set of (*) commentaries. A loss at the Battle of Alesia forced the Avern king Vercingetorix to surrender to Julius Caesar in this region. For ten points, name this region divided into Cisalpine and Transalpine provinces, most of which now comprise France.

ANSWER: Gaul

<JD>

22. Particles in these regions can be approximated by a wavefunction using Slater determinants and the Hartree-Fock method, and the Madelung rule describes how ones with lower $n+l$ values have lower energy. They can be described by their principal, azimuthal, magnetic, and spin (*) quantum numbers, the last of which is governed by Hund’s rule and the Pauli exclusion principle. The Aufbau principle determines how electrons fill these entities, which are denoted by s , p , d , and f . For ten points, name these regions around an atomic nucleus where electrons can be found.

ANSWER: atomic orbitals [do NOT accept “molecular orbitals”]

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Bonuses

1. Bonus: This man frequently debated with Albert Einstein over the properties of quantum mechanics, which he helped pioneer. For ten points each:

[10] Name this Danish physicist who formulated an atomic model that modeled electrons traveling in circular orbits at discrete energy levels.

ANSWER: Niels Henrik David **Bohr**

[10] The Bohr model was helpful in explaining the behavior of this atom, but not many others, because this atom in its neutral state has only 1 electron.

ANSWER: **hydrogen** [accept **H**]

[10] This formula named after a Swedish scientist was used in Bohr's model to describe differences in orbital energy. It sets the inverse of wavelength proportional to the difference between the square of the inverse energy levels.

ANSWER: **Rydberg** formula

<EC>

2. Bonus: In Hebrew, these are called a ra'ashan. For ten points each:

[10] Identify these noise-making devices, which are used to drown out the name of a certain minister of Ahasuerus who was eventually hanged on fifty-cubit high gallows of his own construction.

ANSWER: **graggers** or **ratchets**

[10] Graggers are typically used when Haman's name is read aloud during this holiday, during which mishloach manot is given and Mordecai's triumph is celebrated.

ANSWER: **Purim**

[10] This book is read on Purim and mentions how Mordecai and his niece foiled a plot by Haman to massacre the Jews in Persia.

ANSWER: Book of **Esther** [or **Megillah**]

<BZ>

3. Bonus: Its main character borrows an item from Forestier which she thinks costs 36,000 francs. For ten points each:

[10] Name this short story in which Mathilde Loisel works for ten years to replace the title piece of jewelry to wear during a party held by the Ministry of the Public Instruction, only to find out that it was worthless

ANSWER: "The **Necklace**" [accept "The **Diamond Necklace**" or "La **Parure**"]

[10] This French author wrote "The Necklace" and wrote about the prostitute Elisabeth Rousset in "Ball of Fat".

ANSWER: Henri René Albert Guy de **Maupassant**

[10] In this short story by Maupassant, the Jewish prostitute Rachel stabs the title officer with a cheese knife when he remarks that everything French will soon belong to Prussia. She rings church bells until the Germans leave.

ANSWER: "**Mademoiselle Fifi**"

<KT>

4. Bonus: One of these problems asks whether or not a hunter will successfully hit a monkey falling from a tree, while another questions if a single photon will be reflected or transmitted. For ten points each:

[10]: Name these hypothetical situations that scientists formulate to examine the consequences of a theory *a priori*.

ANSWER: **thought experiment** [or **Gedankenexperiment**]

[10]: This thought experiment has a container of gas in equilibrium divided into two sections by a wall. The namesake creature opens a door in the wall to isolate faster gas molecules on one side, thus heating that chamber.

ANSWER: **Maxwell's demon**

[10]: Newton hypothesized firing one of these objects off a tall mountain to illustrate the effects of gravity and the resulting orbital motion.

ANSWER: Newton's **cannonball**

<EC>

Round 10

5. Bonus: One named Brokkr created Mjolnir and Draupnir. For ten points each:

[10] Name these short beings in Norse mythology who were skilled smiths and metalworkers. A group of them called the Sons of Ivaldi created Frey's ship Skidbladnir.

ANSWER: dwarves [or dvergr]

[10] This brother of Otr and Hreidmar turned into a dragon in order to guard the treasure of a dwarf named Andvari. His killer was able to understand the language of birds after tasting his blood.

ANSWER: Fafnir

[10] Andvari possessed a cursed ring made of this material, which was also used to create Sif's hair. One of Heimdall's alternate names, Gullintani, comes from the fact that his teeth are the color of this metal.

ANSWER: gold

<BZ>

6. Bonus: Genaro Jr. hires its protagonist, who works alongside Pascual. For ten points each:

[10] Name this novel in which Mario Varguillas works at a radio station named Panamericana, which hires a Bolivian serial author named Pedro Camacho.

ANSWER: Aunt Julia and the Scriptwriter [or La tía Julia y el escribidor]

[10] This author wrote *Aunt Julia and the Scriptwriter* and a work set in the Leoncio Prado Military Academy, *The Time of the Hero*.

ANSWER: Jorge Mario Pedro Vargas Llosa, 1st Marquis of Vargas Llosa

[10] Mario Vargas Llosa was born in this South American country. In *Conversation in a Cathedral*, the protagonist Santiago Zavala attends the University of San Marcos in the capital city of Lima from this nation.

ANSWER: Republic of Peru

<KT>

7. Bonus: The Mantoux test can detect this disease. For ten points each:

[10] Name this highly contagious lung disease abbreviated TB, which was called consumption in the past.

ANSWER: tuberculosis

[10] In the Mantoux test, if this structure forms an induration fifteen millimeters or wider after being injected with tuberculin, the person is considered positive for tuberculosis.

ANSWER: skin

[10] Like the pathogenic agent of leprosy, the bacterium that causes tuberculosis belongs to this genus. Drugs like rifampicin are effective against members of this genus, which was named due to its similar appearance to fungi.

ANSWER: Mycobacterium

<BZ>

8. Bonus: The host chief of this event bears a mask termed the *geekumhl*, which represents the spirit *Dzunukwa*. For ten points each:

[10] Name this gift-giving ritual practiced by Native Americans like the Kwakiutl from the Pacific Coast. Its primary goal is to redistribute wealth, and the Indian Act of Canada once banned its practice.

ANSWER: potlatch

[10] This "Father of American Anthropology" studied the potlatch ritual and wrote *The Mind of Primitive Man*. Notable students of him included Margaret Mead.

ANSWER: Franz Uri Boas

[10] This other student of Franz Boas and author of *Zuni Mythology* contrasted the "shame" culture of Japan to the "guilt" one of the United States in a more famous work.

ANSWER: Ruth Benedict

<KT>

Round 10

9. Bonus: Willem Janszoon was the first European to land on this island, and a part of it was named New Holland by Abel Tasman. For ten points each:

[10] Identify this island where didgeridoos and boomerangs were important parts of the culture of its native Aborigines.

ANSWER: **Australia**

[10] While the west coast of Australia was colonized by the Dutch, this British explorer landed at a place on the east coast that would eventually develop into the modern city of Sydney. He was later killed in a fight with Hawaiians.

ANSWER: James **Cook**

[10] The body of water where James Cook first landed in Australia was given this name due to the great quantity of plant life found there. Later, the British established a penal colony at this site.

ANSWER: **Botany Bay**

<JD>

10. Bonus: Some movies wouldn't be complete without their signature quote, so identify some for ten points each.

[10] In *Star Wars Episode IV*, Han Solo says this famous line to Luke Skywalker prior to the attack on the Death Star. It is also featured several times in conversations between Obi-Wan and Anakin.

ANSWER: "**May the Force be with you**"

[10] In *Apocalypse Now*, Lieutenant Kilgore says this line as he kneels down to his soldiers, following it by exclaiming that the "gasoline smell, the whole hill. Smelled like victory."

ANSWER: "**I love the smell of napalm in the morning**"

[10] In *Citizen Kane*, this is the dying word of Charles Foster Kane, which remains a mystery to reporter Jerry Thompson, but is revealed to the audience as the name of the sled from Kane's childhood.

ANSWER: "**Rosebud**"

<EC>

11. Bonus: This work lies across *La Disputa* in the Stanza della Segnatura. For ten points each:

[10] Name this fresco depicting several Greek scholars, including Plato, who points to the sky, and Aristotle, who gestures to the earth. To the left, Averroes glances at a notebook held by Pythagoras.

ANSWER: *The **School of Athens*** [accept ***Scuola di Atene***]

[10] This Italian Renaissance artist painted *The School of Athens* and was commissioned by Pope Julius II to paint works like *The Parnassus*.

ANSWER: **Raphael** [accept **Raffaello** Sanzio da Urbino]

[10] Raphael is one of several Renaissance artists whose biographies appear in *Lives of the Artists*, which was written by this 16th century art historian.

ANSWER: Giorgio **Vasari**

<KT>

12. Bonus: Galileo apocryphally conducted an experiment with two falling balls in this city. For ten points each:

[10] Name this Italian city home to a famous Leaning Tower.

ANSWER: **Pisa**

[10] In the 13th century, Pisa was home to a faction that supported the Holy Roman Emperor, which led to conflict with Florence, a city that was home to another faction that supported the Pope. Name either of the factions.

ANSWER: **Guelphs** or **Ghibellines** [accept either answer, or both answers in either order]

[10] The controversy over the powers of the Pope and Holy Roman Emperor that caused the Guelph-Ghibelline split was ended by a concordat signed near this city. During the Reformation, Martin Luther was tried by a diet in this city.

ANSWER: **Worms**

<BZ>

Round 10

13. Bonus: It appears in the complex term in DeMoivre's theorem. For ten points each:

[10] Identify this odd function whose multiplicative inverse is cosecant.

ANSWER: sine [do NOT accept "inverse cosecant" as that is different]

[10] Multiplying two sides of a triangle by the sine of the angle between them and dividing by two finds this quantity. This quantity equals length times width for a rectangle.

ANSWER: area

[10] Another way of computing the area of a triangle is multiplying semiperimeter by this quantity, which can be found by drawing a circle given three internal angle bisectors.

ANSWER: inradius [accept descriptions like radius of the inscribed circle; do NOT accept "radius"]

<EC>

14. Bonus: He won a heavily contested and possibly rigged election in August 2013. For ten points each:

[10] Name this current president of Zimbabwe who beat Morgan Tsvangirai in that election.

ANSWER: Robert Gabriel Mugabe

[10] Mugabe is a member of this party, which competes with Tsvangirai's Movement for Democratic Change.

ANSWER: ZANU-PF [or Zimbabwe African National Union - Popular Front]

[10] In January 17, the Zimbabwean finance minister announced that the country had only \$217 in its national account. Earlier, this phenomenon had caused a massive devaluation of Zimbabwean currency.

ANSWER: hyperinflation [prompt on inflation]

<BZ>

15. Bonus: The oppressive policies of the Duke of Alva and the Council of Blood helped lead to it. For ten points each:

[10] Name this conflict, one side of which was led by William the Silent. This conflict resulted in the independence of the Seven United Provinces.

ANSWER: Eighty Years' War [or War of Dutch Independence; accept Dutch Revolt]

[10] The Eighty Years' War began as a revolt against this Spanish king. This son of Charles V and half-brother of Don Juan of Austria became king of England after marrying Mary I.

ANSWER: Philip II of Spain

[10] The Treaty of Münster that ended the Eighty Years' War was part of the Peace of Westphalia that ended this other conflict, which resulted in the death of Gustavus Adolphus at Lutzen.

ANSWER: Thirty Years' War

<BZ>

16. Bonus: The grandfather in this work is represented with a bassoon. For ten points each:

[10] Name this work in which stringed instruments symbolize the title character and a French horn represents the title creature. In its end, the title creature swallows a duck alive.

ANSWER: Peter and the Wolf [accept Petya i volk]

[10] This composer wrote *Peter and the Wolf* and a work which features the witch Fata Morgana, *The Love for Three Oranges*.

ANSWER: Sergei Sergeyevich Prokofiev

[10] Originally written for ballet *Ala i Lolli*, this Prokofiev suite begins with an invocation to Veles and Ala, which is the way the title nomadic people would invoke the sun.

ANSWER: *The* Scythian Suite

<KT>

Round 10

17. Bonus: A gigantic tuned mass damper is suspended from its 92nd to 87th floors. For ten points each:

[10] Identify this earthquake- and typhoon-resistant skyscraper whose two-part name describes the city it lies in and the number of floors it contains. It was the world's tallest building until the opening of the Burj Khalifa in 2010.

ANSWER: **Taipei 101**

[10] Taipei 101 is located in this country that lies across the Formosa Strait from the People's Republic of China

ANSWER: **Taiwan** [or **Republic of China**]

[10] Taiwan is one of the claimants to the Spratly Islands, which are located in this sea to Taiwan's southwest. Other claimants include China, Vietnam, the Philippines, and Malaysia, all of which border this sea.

ANSWER: **South China** Sea

<JD>

18. Bonus: It notes how "Frà Pandolf's hands/ Worked busily a day." For ten points each:

[10] Identify this poem about a painting showing the Duke of Ferrara's wife, whose heart was "too soon made glad."

ANSWER: **"My Last Duchess"**

[10] This poet wrote "My Last Duchess" and a poem whose narrator strangled a lady with "one long yellow string" of her hair, "Porphyria's Lover."

ANSWER: **Robert Browning** [prompt on "Browning"]

[10] This poem by Robert Browning instructs the reader to "Grow old with me!" since "The best is yet to be." It ends with remarking, "Let age approve of youth, and death complete the same!"

ANSWER: **"Rabbi Ben Ezra"**

<KT>

19. Bonus: Edmund Ross refused to convict a president of a violation of this law. For ten points each:

[10] Name this law, passed during Reconstruction, that forbade the president from removing Senate-confirmed officials without the Senate's consent. Andrew Johnson flouted it with his removal of Edwin Stanton.

ANSWER: **Tenure of Office** Act

[10] The Tenure of Office Act was retroactively ruled invalid in the Supreme Court case *Myers v. United States*, which was presided over by this Chief Justice. This man had earlier served as President after Theodore Roosevelt.

ANSWER: William Howard **Taft**

[10] Andrew Johnson allegedly violated the Tenure of Office Act by attempting to replace Edwin Stanton with Lorenzo Thomas in this Cabinet post, which was later merged with another post in 1947.

ANSWER: Secretary of **War** [do not accept "Secretary of Defense"]

<BZ>

20. Bonus: Answer some questions related to large moving masses of air. For ten points each:

[10] These prevailing easterlies near the tropics are responsible for the transportation of dust from the Sahara to the Americas. Historically, they facilitated European expansion into American markets, giving them their name.

ANSWER: **trade winds** [prompt on "trades"]

[10] This region of low pressure around the equator is formed by the northeast and southeast trade winds. It can exhibit calm weather patterns as well as tropical thunderstorms generated by solar heating.

ANSWER: **doldrums** [accept **ITCZ** or **Intertropical Convergence Zone**]

[10] Warm air rises from the doldrums and falls at the horse latitudes to create the subtropical type of these air currents. They flow from west to east and dramatically influence flight times.

ANSWER: **jet streams**

<EC>

Round 10

21. Bonus: In this work, the cat Pitty Sing leaps on Bailey, causing him to flip his car. For ten points each:

[10] Identify this short story in which the Misfit and his accomplices murder Grandma and her family after a car accident.

ANSWER: "A **Good Man is Hard to Find**"

[10] This American author wrote "A Good Man is Hard to Find" and included short stories like "Greenleaf" and "A View of the Woods" in her collection, *Everything that Rises Must Converge*.

ANSWER: Flannery **O'Connor**

[10] This character in the short story "A Good Man is Hard to Find" is the only character to say the title phrase. He is the owner of the Tower restaurant and converses with Grandmother about the Misfit during her lunch break.

ANSWER: Red **Sammy Butts** [accept either underlined answer]

<KT>

22. Bonus: The Hekatonkheires participated in this conflict by throwing huge rocks. For ten points each:

[10] Name this conflict between the Olympians and the children of Gaia and Uranus. Prometheus, however, decided to join the winning side in this conflict.

ANSWER: **Titanomachy** or **Titan** War

[10] After the Titanomachy, this youngest son of Cronus and Rhea became ruler of Olympus. When he and his brothers Hades and Poseidon drew lots to determine their domains, this god got the sky.

ANSWER: **Zeus** [do not accept "Jupiter"]

[10] During his infancy, Zeus hid from his father Cronus and was nursed by this goat. According to some stories, one of her horns later became the Cornucopia.

ANSWER: **Amalthea**

<BZ>