

Round 7 1st Section Toss-up Questions

Question #1: Social Studies – U.S. History

10 points

Late in this person's presidency, he signed a bill giving			
loan guarantees to Chrysler to prevent its bankruptcy.			
After this person was president, he started negotiations			
on an agreed framework to limit North Korean nuclear			
weapons. As president, this person appointed Shirley			
Hufstedler as the first Secretary of Education and			
James Schlesinger as the first Secretary of Energy. This			
former governor of Georgia negotiated the return of the			
Panama Canal Zone to Panama. Name this president			
during the Iran Hostage Crisis, who failed to be			
re-elected when he lost to Ronald Reagan.			

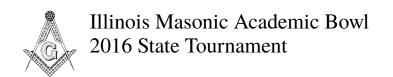
(James Earl) Jimmy <u>Carter</u> (Jr.)

Question #2: Miscellaneous – Technology

10 points

Chrome OS is built on this operating system. It is an alternative to System V ["five"] and BSD, and is a component of the LAMP bundle. This operating system, developed at the University of Helsinki, often uses GNOME for its graphics, and is available in "distributions" like Gentoo, Debian, and Ubuntu [uh-BUN-too]. It is derived from the GNU [G-N-U] project. Name this open-source operating system that was created by Linus Torvalds, a variant of Unix [YOO-niks].

Linux [LIN-iks] [prompt on Unix before "System V"]



Round 7 1st Section Toss-up Questions

Question #3: Science – Chemistry

10 points

An isotope of this element is the most common target	boron [prompt on B before
for neutron capture therapy. Clusters of this element are	the end]
held together by electron-deficient three center-two	
electron bonds. Those clusters can have closo	
["CLOSE-oh"], nido ["NIGH"-doh], or arachno	
["uh-RACK-no"] structures predicted by Wade's rules.	
This element is used in the first step of an	
anti-Markovnikov [mar-KOV-nee-kof] addition of an	
alcohol. This element's trifluoride is a common	
example of a Lewis acid, and violates the octet rule by	
having only 6 electrons. This element is included in the	
silicate used to make Pyrex glass. Name this element	
whose atomic number is 5 and whose symbol is B.	

Question #4: Social Studies – Religion

One tradition claims this man fathered Shehid bin Jer,	Adam [may be pronounced
from whom the Yazidi are descended. In First	ah-DAHM]
Corinthians, he is called both a "living soul" and a	
"life-giving spirit". In Islam, Raziel gave the Tzohar to	
this man, before whom all prostrated except Iblees. In	
Jewish folklore, his first wife Lilith refused to submit to	
him. He lived for 930 years, fathering Seth at the age of	
130. Soon after this man named all the living creatures,	
one of his ribs was taken away. Name this father of	
Cain and Abel who was expelled from the Garden of	
Eden along with his wife Eve.	



Round 7 1st Section Toss-up Questions

Question #5: Science - Health

10 points

This substance secreted by some *Bacillus* [buh-SIL-lus] bacteria is added to corn starch and water in the production of corn syrup. The strength of a sample of this substance is measured in dextrinizing units. Pleural ["plural"] tests for this substance and blood tests for both lipase ["LIE-pace"] and this substance are used to detect pancreatitis ["pain"-kree-uh-"TIE"-tiss]. Medicines that inhibit this enzyme, which are used for type 2 diabetes and are a controversial weight loss drug, are also called starch blockers. It is secreted by the serous gland. Name this enzyme that converts starch into sugar, found in saliva.

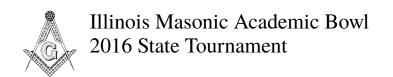
amylase [accept
alpha-amylase; prompt on
enzymes]

Question #6: Literature - Grammar/Usage

10 points

George Kennedy developed the Yale system for transliterating this language. Ancient calligraphy in this language utilized seal, cursive, and clerical scripts. This is the most-spoken language to use CJK characters, in which context they are called *hanzi* and are collected in the *Hanyu Da Zidian [HAHN-yoo dah ZI-dee-un]*. It is usually romanized using the Wade-Giles or Pinyin system. Name this most-spoken language in the world, whose dialects include Cantonese and Mandarin.

<u>Chinese</u> language [accept <u>Cantonese</u> or <u>Mandarin</u> before "Cantonese"]



Question #7: Mathematics – Algebra

10 points per part

This	mathematician's impossibility theorem	
com	pleted work by Paolo Ruffini [roo-FEE-nee].	
1	Name this Danish mathematician who	Niels (Henrik) Abel
	independently of Galois [gal-wah] determined	[AH-bul]
	which degrees of polynomials could not be solved	
	formulaically [for-myu-LAY-ik-lee].	
2	According to the Abel [AH-bel] impossibility	fourth -degree polynomial or
	theorem, this is the highest-degree polynomial	degree <u>four</u> or <u>quartic</u>
	whose roots can always be found with a standard	polynomial/function/equation
	formula.	
3	Find all real zeroes for the quartic trinomial x to the	x = 0, $x = 2$, and $x = 4$ [any
	fourth minus six x to the third plus eight x squared.	order; "or" may be
	Give the three answers in any order.	substituted for "and"]

Question #8: Mathematics – Algebra

This	name of certain functions is based on the	
appearance of their graphs, which have several		
hori	zontal parts.	
1	Name these functions, one example of which is the	step functions [or stair case
	floor function, which always rounds down, and	functions]
	another of which is the ceiling function, which	
	always rounds up.	
2	This English mathematician is the namesake of a	Oliver Heaviside
	step function that equals one for all positive inputs,	
	equals zero for all negative inputs, and equals	
	one-half if the input is zero.	
3	What is the result of applying the floor function, or	<u>-4</u>
	rounding down function, to an input of $-10/3$	
	["negative ten over three"]?	



Question #9: Fine Arts – Jazz

10 points per part

This	s person's performances increased the prominence	
of th	ne tenor saxophone in jazz music.	
1	Name this musician who transformed the song	Coleman "Hawk" Hawkins
	"Body and Soul" with his 1939 recording. His song	[prompt on <u>Hawk</u>]
	"Blues for Yolande [yoh-LAHN-day]" appears on	
	the album on which he encounters Ben Webster.	
2	Hawkins played on the song "Manteca" for this	"Dizzy" <u>Gillespie</u> [or John
	trumpeter, known for his big cheeks and bent	Birks <u>Gillespie</u>]
	instrument.	
3	This tenor saxophonist recorded "The Girl from	Stan(ley) Getz
	Ipanema [IP-uh-NEE-muh]" with singer Astrud	
	Gilberto.	

Question #10: Fine Arts – Jazz

<u>ome</u>



Question #11: Social Studies – World History

10 points per part

This	s person died of a heart attack in 2006 before the	
end	of his trial at The Hague [rhymes with "vague"]	
for c	crimes against humanity.	
1	Name this former president of the Federal Republic	Slobodan Milošević
	of Yugoslavia, who was accused of ordering an	[mee-LAW-sheh-vich, but be
	ethnic cleansing of Albanians in Kosovo.	lenient]
2	Milošević's actions as president of this Socialist	(Republic of) <u>Serbia</u> (or
	Republic included invasions of Croatia and Bosnia.	Republika <u>Srbija</u>)
	In 2006, Montenegro became an independent	
	nation after breaking off from this country.	
3	The Bosnian War was ended by a peace agreement	Dayton , Ohio
	signed in this U.S. city.	

Question #12: Social Studies – World History

Des	cribed in detail in the Mozarabic	
[mo	ze-uh-RAB-ik] Chronicle, this skirmish was	
pror	npted by a request by Odo the Great.	
1	Name this battle which ended the life of Muslim	Battle of Tours [toor] [or
	leader Abdul Rahman. Some historians also view it	Battle of Poitiers
	as ending the expansion of the Umayyad	[pwaht-yay]]
	[OO-my-yad] caliphate.	
2	This father of Pepin the Short organized his	Charles Martel [accept
	infantry into a square at the Battle of Tours.	Carolus <u>Martellus</u> or <u>Karl</u>
		Martell; prompt on The
		<u>Hammer</u>]
3	Charles Martal's only defeat some against Dadhad	Cologno [og Väln]
3	Charles Martel's only defeat came against Radbod	<u>Cologne</u> [or <u>Köln</u>]
	at this location, the home of his stepmother	
	Plectrude. After the Neustrians took over this town,	
	Martel rallied and avenged his loss.	



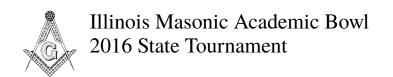
Question #13: Science – Chemistry

10 points per part

	stances with this property can be studied with [E-P-R] spectroscopy.	
1	Name this property of materials that are attracted by external magnetic fields but do not retain magnetization.	paramagnetic materials
2	Paramagnetism often occurs in these compounds with unpaired electrons.	free radical s
3	Paramagnetic materials like gadolinium can be used as contrast agents in this technique, reducing the amount of time needed for a scan while sacrificing little resolution.	nMRI [or nuclear magnetic resonance imaging; do not accept "NMR (spectroscopy)"]

Question #14: Science – Chemistry

In la	ate 2015, German scientists used the Wendelstein	
7-X	to put helium into this phase of matter.	
1	Name this phase of matter that can be formed by	<u>plasma</u>
	induction in a technique called ICP.	
2	The plasma in an ICP is typically this noble gas	argon [accept Ar]
	instead of helium. This is the third most common	
	gas in the atmosphere.	
3	Argon plasma is used medically in the	blood coagulation [or
	gastrointestinal tract to aid with this process, also	coagulating]
	known as blood clotting.	



Round 7 3rd Section Toss-up Questions

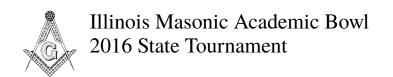
Question #15: Literature – U.S. Literature

10 points

This person wrote about billionaire businessman	David (Alan) Mamet
Mickey Ross in the two-character play <i>China Doll</i> . His	
characters Deborah Soloman and Joan Webber often	
complain about men in general and Dan Shapiro and	
Bernie Litko specifically in Sexual Perversity in	
Chicago. In another of this writer's plays, Donny	
Dubrow tries to steal back a coin. This playwright also	
wrote about Richard Roma's attempts to become the	
top closer at an unethical real estate firm. Name this	
author of American Buffalo and Glengarry Glen Ross.	

Question #16: Social Studies - U.S. Government

When the Supreme Court used the third article of the	Article Four [or fourth
Constitution to establish jurisdiction in Dred Scott,	article]
Roger Taney's [TAW-nee'z] decision extended the	
interpretation of this other article's Property Clause.	
The last part of this article protects states from invasion	
and from domestic violence after guaranteeing a	
republican form of government in each state. This	
article contains the Fugitive Slave and Extradition	
Clauses, and it also describes how new states can be	
admitted. Name this article of the U.S. Constitution	
describing relationships between states, which	
immediately follows the articles describing the	
branches of government.	



Round 7 3rd Section Toss-up Questions

Question #17: Mathematics – Math Concepts

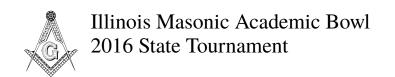
10 points

This statistical measure is often replaced by a similar measure when the variance is not known or the sample size is small. While that other measure has a mean of 50 and a standard deviation of 10, this measure has a mean of 0 and a standard deviation of 1. One definition of an outlier is that it is a data point for which the absolute value of this quantity is above 2 or above 3. This value is an alternative to the *t*-score. Name this value that describes how many standard deviations away from the mean a data point is.

z-score [accept z-value or normal score or standardscore; prompt on z or sigma]

Question #18: Literature – Mythology

During a Sardinian invasion, this figure exposed	<u>Talos</u>
himself to fire and then embraced the attackers. Plato	
wrote that this figure carried a brass tablet of laws	
during his triennial journeys. Depending on the source,	
this creature was either a gift from Hephaestus	
[huh-FESS-tuss] to Minos [MY-nohss] or from Zeus to	
Europa. After he refused to let the Argonauts land,	
Medea [meh-DEE-uh] forced out the pin holding his	
blood, killing him. He hurled large rocks at ships that	
approached the shore. Name this bronze man of Greek	
myth who circled Crete three times each day.	



Round 7 3rd Section Toss-up Questions

Question #19: Science – Physics

10 points

A pair of substances that tend to exhibit this phenomenon are mixed when using a dilution refrigerator. Heat transfer can occur in a wave-like motion in substances exhibiting this phenomenon. One substance that demonstrates this phenomenon will undergo Pomeranchuk [poh-mur-AN-chook] cooling in place of solidification. The transition to this phenomenon occurs below the lambda point. Substances exhibiting this phenomenon can form a Rollin film and creep up the walls of their containers. This phenomenon is most well documented in helium-4 at very cold temperatures. Name this phenomenon in which a gas or liquid behaves as if its viscosity were zero.

superfluid
ity [accept word
forms]

Question #20: Fine Arts – Art History

10 points

One painting by this artist shows his head and the heads of his assistants facing different directions above three animal heads facing corresponding directions. This painter of *Allegory of Prudence* showed Diana in two paintings that have a stream seemingly connecting them: one painting shows Diana learning that Callisto is pregnant, and the other shows Diana meeting Actaeon ["ACT"-ay-ahn]. This painter also showed a naked woman holding a posy of roses while her head and arm are propped on pillows while two other women are in the background by a chest. Name this 16th century Italian who painted *Venus of Urbino*.

<u>Titian</u> [TEE-shun] [or Tiziano <u>Vecelli</u> or Tiziano <u>Vecellio</u>]

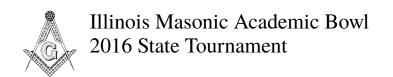
Question #21: Mathematics – Analytic Geometry

10 points per part

This	s class of surfaces consists of sets of solutions to	
seco	ond-degree polynomials in the variables x , y , and z .	
1	Name these surfaces such as ellipsoids, paraboloids, and hyperboloids.	<pre>quadric surfaces [accept quadratic surfaces]</pre>
2	Find the vertex of the paraboloid defined by the equation <i>z</i> equals <i>x</i> squared plus six <i>x</i> plus <i>y</i> squared. Give your answer as an ordered triple.	(-3, 0, -9) [order matters; accept answers such as $x = -3$, $y = 0$, $z = -9$]
3	Find the shortest distance between the origin and the hyperboloid given by the equation <i>x</i> squared divided by 9, minus <i>y</i> squared divided by 16, minus <i>z</i> squared divided by 25, equals 1.	3

Question #22: Mathematics – Analytic Geometry

This	s vector operation can only be defined usefully in	
thre	e or seven dimensions.	
1	Name this type of vector multiplication that can be used to find the curl of a vector field, or to find the area of a parallelogram.	<pre>cross product [accept crossing; accept directed area product; prompt on vector product]</pre>
2	If vector P has the components 1, 0, 0, and vector Q has the components 2, 3, 4, evaluate P cross Q .	$(\underline{0, -4, 3})$ [order matters, accept answers such as $0i\underline{-4j+3k}$ or $\underline{x=0}, \underline{y=-4}, \underline{z}$ = 3]
3	Find the curl of the vector field defined by the components <i>y</i> , 3, 5.	$(\underline{0}, \underline{0}, -\underline{1})$ [order matters, accept answers such as $0i+0j-1k$ or $\underline{x} = \underline{0}, \underline{y} = \underline{0}, \underline{z} = \underline{-1}$]



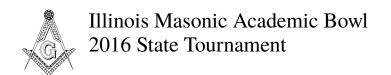
Question #23: Literature – U.S. Literature

10 points per part

	nis first novel of the <i>Epic of Wheat</i> trilogy, eixter convinces Magnus Derrick to take on	
mon	neyed interests on behalf of ranchers.	
1	Name this Frank Norris novel in which S. Behrman attempts to buy and seize land to expand a monopoly.	The <u>Octopus</u>
2	S. Behrman's efforts were on behalf of one of these companies. Anna Karenina committed suicide using a vehicle operated by this kind of company.	railroad companies or railroads [prompt on answers referring to transportation or shipping]
3	The Octopus is subtitled "A Story of" this state, the setting for Tortilla Flat.	California

Question #24: Literature – U.S. Literature

This	s poem is addressed "To him who in the love of	
Nati	are holds communion with her visible forms".	
1	Name this poem whose speaker describes one's	"Thanatopsis"
	final thoughts as a spiritual blight, and claims that	
	Nature can have "a voice of gladness, and a smile,	
	and eloquence of beauty".	
2	"Thanatopsis" was written by this American at the	William Cullen Bryant
	age of 17. He also wrote "To a Waterfowl".	
3	Carol Kennicott is a member of the "Thanatopsis	(Harry) Sinclair Lewis
	Club" in the novel <i>Main Street</i> by this author.	



Question #25: Science – Biology

10 points per part

This	s set of nine proteins is involved in the humoral	
defe	ense.	
1	Name this set of proteins of the innate immune system, named for the fact that they help phagocytic [fay-goh-"SITE"-ik] cells and antibodies.	complement system
2	The proteins of the complement system form the membrane attack complex, which induces death in cells through this manner. This process involves the rupture of the membrane.	lysis ["LIE-sis"] or lysing ["LICE-ing"]
3	C5a of the complement system helps cause this immune response, which makes an area red and swollen.	inflammation [accept word forms]

Question #26: Science – Biology

This	s catecholamine [kat-uh-KOH-luh-meen] is	
rele	ased from a namesake gland on top of the kidneys.	
1	Name this hormone, also found in an EpiPen. It is	adrenaline or epinephrine
	responsible for the fight-or-flight response.	
2	The center of an epinephrine molecule is chiral	racemic [ray-SEE-mik]
	[KIE-rul]. Epinephrine treatments to improve	mixtures
	breathing work best when they are this type of	
	mixture with equal amounts of both enantiomers	
	[en-ANT-ee-oh-murz].	
3	Adrenaline is released from these cells within the	chromaffin cells
	adrenal medulla.	



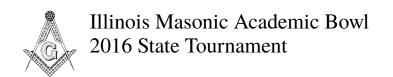
Question #27: Social Studies – Economics

10 points per part

By o	definition, these factors are not accounted for in	
calc	ulating price within a given market.	
1	Name this factor accounted for on the marginal social cost curve. It is a consequence of economic activity that affects people who are not buying, selling, or producing.	externality [or externalities or external costs; accept more specific answers that include an underlined term]
2	This author of <i>The Economics of Welfare</i> is the namesake of a tax designed to account for negative externalities.	Arthur (Cecil) Pigou ["pig-oh"] [prompt on Pigovian taxes]
3	Pollution, a classic example of an externality, can be addressed by this type of system, in which the government limits the total amount of pollution and companies buy and sell the right to pollute.	cap and trade [accept word forms like capping and trading; accept emissions trading]

Question #28: Social Studies – Economics

Ada	m Smith wrote that this value for land was	
dete	rmined by how it was used.	
1	Name this concept defined by Henry George as	<u>rent</u>
	income gained by ownership, especially the	
	ownership of land.	
2	This English economist described rent as a	David Ricardo
	"differential surplus." In Principles of Political	
	Economy and Taxation, he expounded on his	
	theory of comparative advantage.	
3	Ricardo argued against the use of paper currency in	<u>bullion</u>
	The High Price of this. This catchall term	
	describes bars or ingots of precious metals, such as	
	gold and silver.	



Round 7 5th Section **Toss-up Questions**

Question #29: Mathematics – Math Concepts

10 points

In Pappus's Hexagon Theorem, this relationship arises when three points on one line are connected to three points on another line. Menelaus's [men-uh-LAY-us'z] theorem can be used to determine whether this relationship exists between points. When several points in a plane are transformed using a nonzero matrix with a zero determinant, the points take on this relationship. Three points with this relationship *cannot* be used to define a plane, and any two points must have this relationship. Give this term for points that are along the same line.

collinearity [prompt on descriptive answers mentioning points on the same line

Question #30: Literature – British Literature

10 points

In this play, a man looking to learn to quarrel relies on	The <u>Alchemi</u>
insults such as "you are a pimp", and two Anabaptists	
travel from Amsterdam to do business with the title	
character. During this play, a fake explosion is used to	
get Epicure Mammon to leave. This work's action	
begins with the departure of Lovewit on account of the	
plague, which allows Jeremy the Butler to assume the	
guise of Face. Name this Ben Jonson play in which	
Subtle pretends to be a person who can turn anything	
into gold.	

<u>ist</u>



Round 7 5th Section Toss-up Questions

Question #31: Social Studies – World History

10 points

This person was the main assistant of Fridtjof [FREED-yawf] Nansen during a Russian famine and in providing relief to Armenian refugees. With Johan Hjort [YOH-han h'YORT], he co-founded his country's National Unity party. He ruled his country jointly with Josef [YOH-sef] Terboven and was given the title "Minister President." He was eventually convicted for the murder of Gunnar Eilifsen [GOON-ur "EYE"-lif-sen] and killed by firing squad in front of the Akershus [UH-kuss-HOOS] Fortress. This person attempted to gain power by taking over the national radio station, but King Haakon VII [ha-KOHN "the seventh"] refused to recognize him. Name this World War Two Norwegian traitor.

Vidkun (Abraham Lauritz Jonsson) **Quisling**

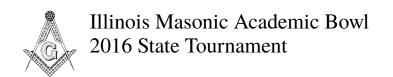
Question #32: Science – Biology

10 points

The SCF complex and the anaphase-promoting complex both perform the addition of this molecule, which is commonly added to targets with KEN [ken] boxes and destruction boxes. This molecule is added to targets at lysine ["LIE-seen"] residues, and it forms chains by being added to its own lysine residues. The addition of this protein occurs by forming thioester ["THIGH"-oh-ess-tur] linkages to a set of three enzymes labelled E1, E2, and E3. The formation of a chain of this 76-amino-acid polypeptide sends targets to the proteasome [PROH-tee-uh-sohm]. Name this small protein which is added to proteins to mark them for degradation, which is named due to it being found in nearly every tissue.

<u>ubiquitin</u>

[yoo-BIH-"quit-in"] [do not accept "ubiquinol"]



Round 7 Extra Section Toss-up Questions

Extra Question #1: Fine Arts - Classical Music & Opera

10 points

This composer's Octet in E-flat major, written when he was 16, is still performed. Much later, this composer worked with Ferdinand David, the premier soloist, on Violin Concerto in E Minor. One of his symphonies ends with a Saltarello that shifts to A minor; that piece, written soon after his *Fingal's Cave*, or *Hebrides* [HEH-bri-dees] Overture, is the Italian Symphony. This composer also wrote an overture and incidental music for Shakespeare's *A Midsummer Night's Dream*. Name this composer whose "Wedding March" is often performed with Wagner's [VAHG-ner's] "Bridal Chorus".

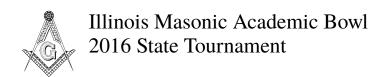
Felix <u>Mendelssohn</u> [or Jakob Ludwig Felix Mendelssohn <u>Bartholdy</u>]

Extra Question #2: Social Studies – World History

10 points

The Fourteen Families oversaw the growth of the coffee crop in this country, where the violent gang MS-13 was founded. Archbishop Óscar Romero was assassinated in 1980 while leading a Mass in this country. One of its presidents, Tomás Regalado, died while trying to invade Guatemala. This country's invasion of a neighbor kicked off a "100-Hour War" that was ended with the help of the OAS. Among the catalysts of that war was an antagonistic policy towards immigrants from this country, as well as a tense series of soccer games against Honduras. Name this Central American country whose capital is San Salvador.

(Republic of) El Salvador [or República de El Salvador]



Round 7 Extra Section Toss-up Questions

Extra Question #3: Science – Earth Science

10 points

In soil, this quantity is tested by measuring electrical conductivity, specific gravity, TSS, and SAR. This soil quantity can become problematic if there is irrigation and a lot of evaporation without enough leaching. In water, this quantity is often measured in parts per thousand. This quantity is low in water called oligohaline [OH-lih-goh-HAY-leen]; a value around 10 or 20 causes water to be classified as brackish. This quantity is lowered by reverse osmosis, allowing the water to become more like groundwater or river water so people can drink it. Name this measurement of the concentration of salt.

salinity [accept word forms;
accept answers mentioning
salt before "concentration"]

Extra Question #4: Literature - British Literature

In this novel, Dr. Kemp's gun was used to shoot a cop.	The Invisible Man
The protagonist of this novel then goes on a "Reign of	
Terror", killing Mr. Wicksteed, who was the steward of	
Lord Burdock. The protagonist in this tale was accused	
of performing vivisection on a cat, and he burned down	
the boarding house to hide the evidence. Thomas	
Marvel takes the money and notebooks from this	
work's protagonist. The title condition of this story is	
achieved by the protagonist by altering his body's	
refractive index. Name this H. G. Wells novel in which	
Griffin is able to sneak around undetected.	



Round 7 Extra Section Toss-up Questions

Extra Question #5: Mathematics – Math Concepts

The delay type of this entity is used when a variable is	(ordinary) differential
affected by previous values. If none of this entity's	equations [or O <u>DEs</u>]
terms contain just the independent variable or a	
constant, then it is classified as homogeneous. One side	
of one example of these entities is a function times the	
quantity one minus the same function, and can be used	
to define the logistic function. Perhaps the simplest	
example of these things is solved by a constant times	
the exponential function. They are similar in nature to	
difference equations, and some can be solved by	
separation of variables. Name these equations that	
relate a function and its derivatives.	



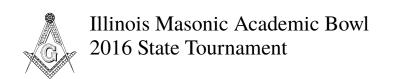
Extra Question #6: Social Studies – U.S. History

10 points per part

The	Supreme Court case Luther v Borden concerned	
the arrest of one participant in this uprising.		
1	Name this rebellion that was ended by the drafting	Dorr 's Rebellion
	of a new constitution in Newport, Rhode Island. Its	
	leader was unofficially elected as governor	
	alongside Samuel Ward King.	
2	This president, who replaced William Henry	John Tyler
	Harrison, refused to directly intervene in Dorr's	
	Rebellion.	
3	The ultimate goal of Dorr's rebellion was to	right to vote [or suffrage or
	increase the number of men who had this right.	political franchise ; accept
		word forms]

Extra Question #7: Social Studies – U.S. History

This	s massacre wiped out the members of the People's	
Temple, including its founder.		
1	Name this event in Guyana during which 900	Jonestown massacre
	people committed suicide, with the children forced	
	to drink Flavor Aid laced with potassium cyanide.	
2	The Jonestown massacre was likely prompted by	Leo (Joseph) Ryan (Jr.)
	the murder of this Congressman in Port Kaituma	
	following a visit to Jonestown.	
3	The Jonestown massacre was the largest deliberate	2001 [prompt on '01]
	death of American citizens until the 9/11 attacks	
	during this year.	



Extra Question #8: Mathematics - Probability

10 points per part

This name applies to several situations, one of which		
involves two people making bets until one person runs		
out	of money.	
1	Name this problem in which a person with a finite	gambler 's <u>ruin</u>
	amount of money bets against an institution with an	
	infinite amount of money.	
2	Gambler's ruin is sometimes contrasted with this	gambler's fallacy
	mistaken belief that if a random situation has not	
	happened recently, then it is more likely to happen	
	soon.	
3	If the first card drawn from a randomly shuffled	1/17
	deck is an ace, and it is not replaced, then what is	
	the probability that the second card is also an ace?	
	Give your answer as a reduced fraction.	

Extra Question #9: Mathematics – Probability

This person became president of the Royal Society in		
1684	4, and he wrote a letter that became a well-known	
prob	pability problem.	
1	Name this person most famous for his diary, which	Samuel Pepys ["peeps"]
	describes life in London before and after the Great	
	Fire.	
2	Pepys described the problem in a letter to this man,	(Sir) Isaac Newton
	the author of <i>Principia Mathematica</i>	
	[prin-KIP-ee-uh "math"-uh-MAT-ih-kuh].	
3	One of the problems was to find the probability of	5/6 [or 0 .83 repeating]
	getting at least one six when a fair die is rolled six	
	times. The problem is solved by subtracting this	
	number raised to the sixth power from one.	