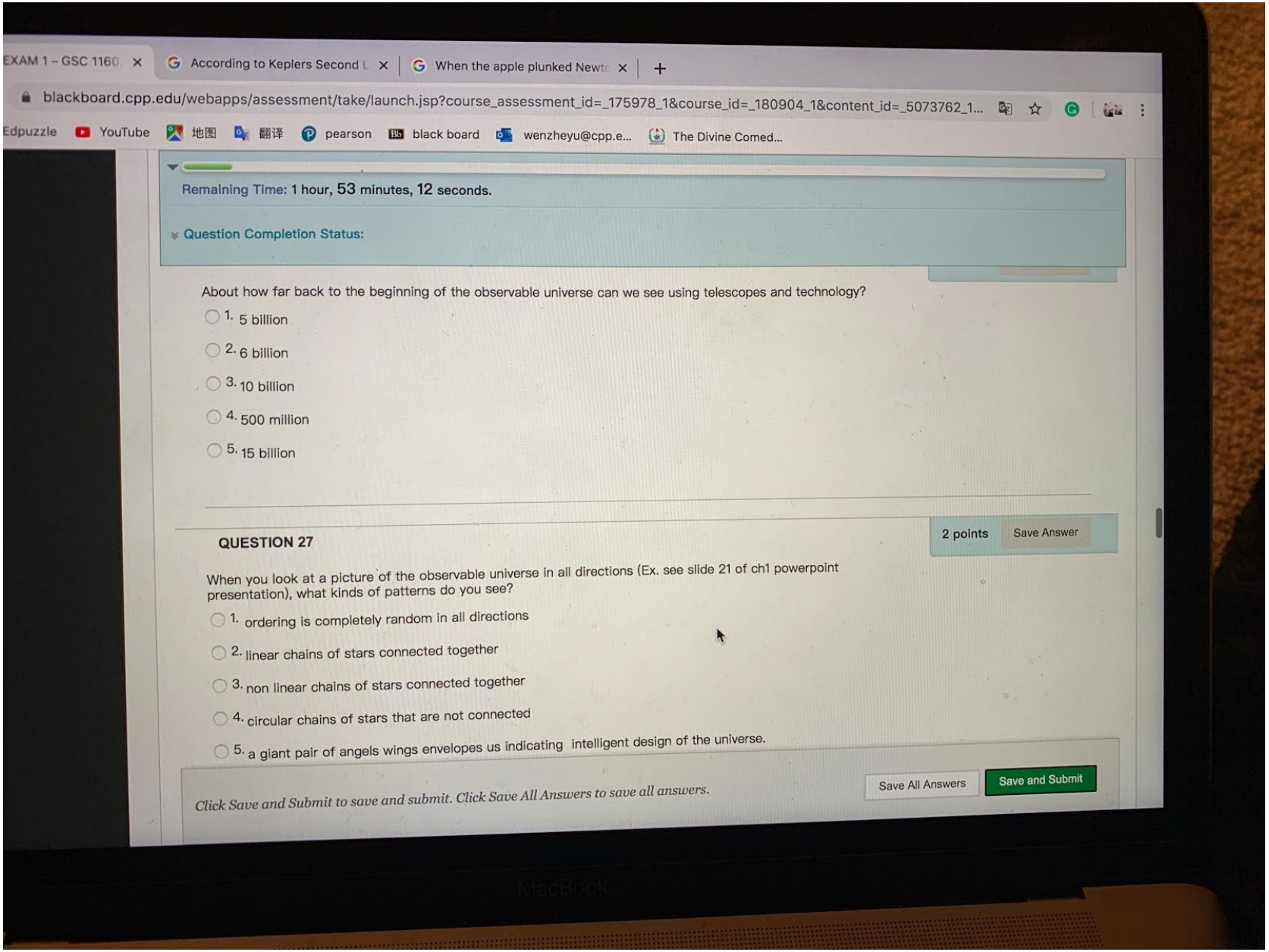
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Remaining Time: 1 hour, 53 minutes, 12 seconds.
Question Completion Status:
About how far back to the beginning of the observable universe can we see using telescopes and technology?
1. 5 billion
2. 6 billion
3. 10 billion
4. 500 million
5. 15 billion
QUESTION 27
2 points
Save Answer
When you look at a picture of the observable universe in all directions (Ex. see slide 21 of ch1 powerpoint presentation), what kinds of patterns do you see?
1. ordering is completely random in all directions
2. linear chains of stars connected together
3. non linear chains of stars connected together
4. circular chains of stars that are not connected
5. a giant pair of angels wings envelopes us indicating intelligent design of the universe.
Click Save and Submit to save and submit. Click Save All Answers to save all answers.
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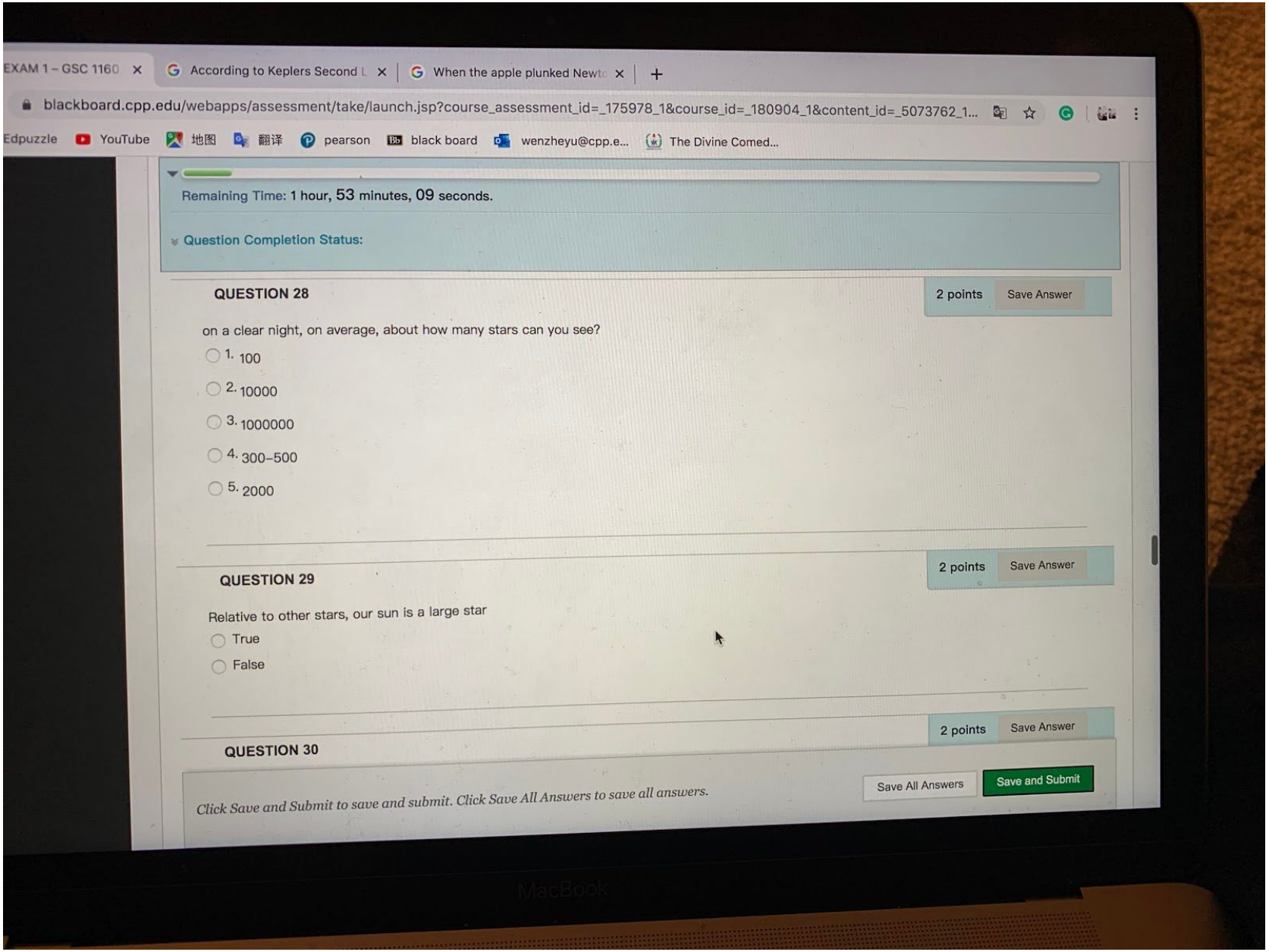
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Remaining Time: 1 hour, 53 minutes, 09 seconds.
Question Completion Status:
QUESTION 28
2 points
Save Answer
on a clear night, on average, about how many stars can you see?
1. 100
2. 10000
3. 1000000
4. 300–500
5. 2000
QUESTION 29
2 points
Save Answer
Relative to other stars, our sun is a large star
True
False
QUESTION 30
2 points
Save Answer
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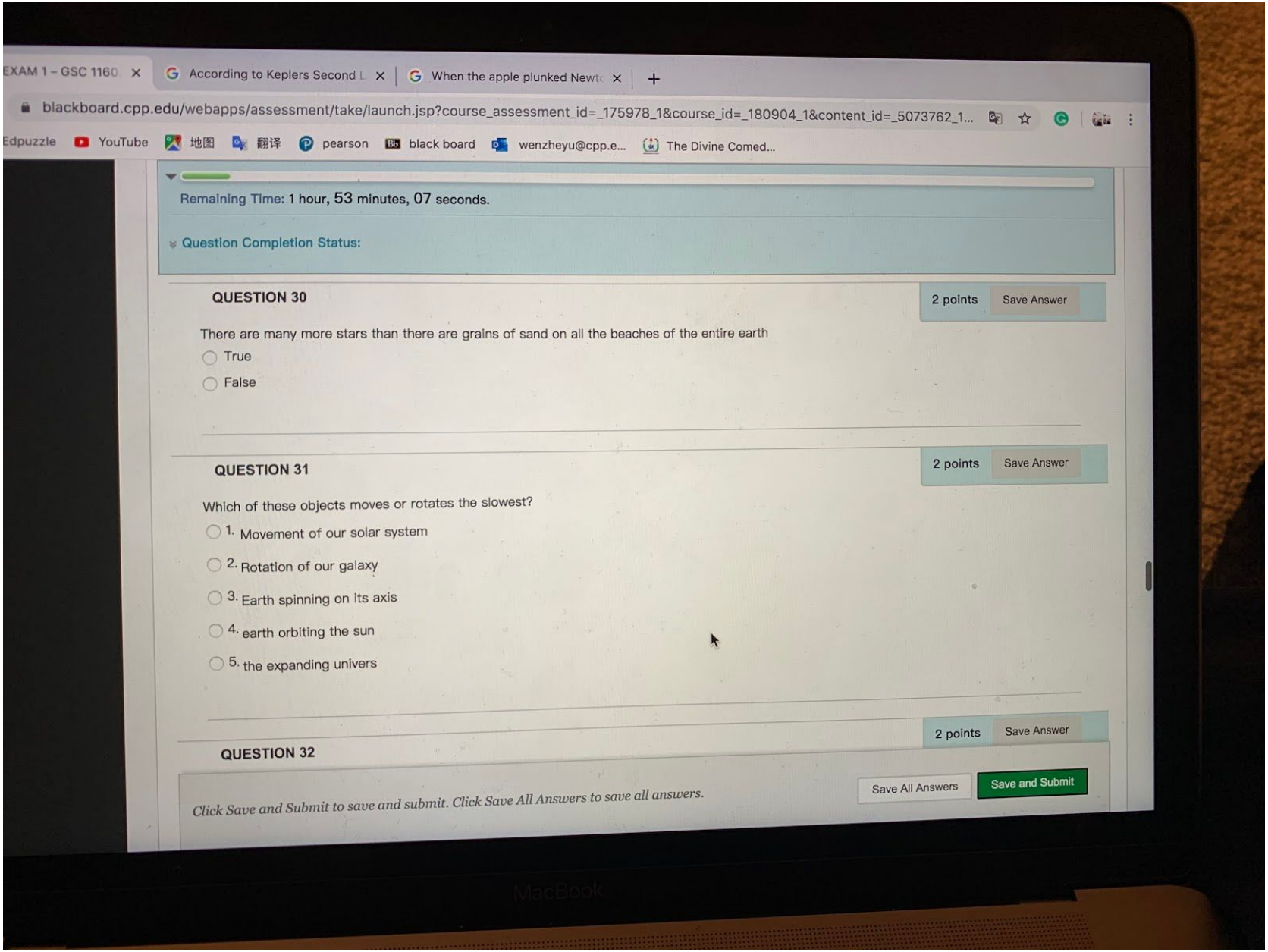
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Remaining Time: 1 hour, 53 minutes, 07 seconds.
Question Completion Status:
QUESTION 30
2 points
Save Answer
There are many more stars than there are grains of sand on all the beaches of the entire earth
True
False
QUESTION 31
2 points
Save Answer
Which of these objects moves or rotates the slowest?
1. Movement of our solar system
2. Rotation of our galaxy
3. Earth spinning on its axis
4. earth orbiting the sun
5. the expanding univers
2 points
Save Answer
QUESTION 32
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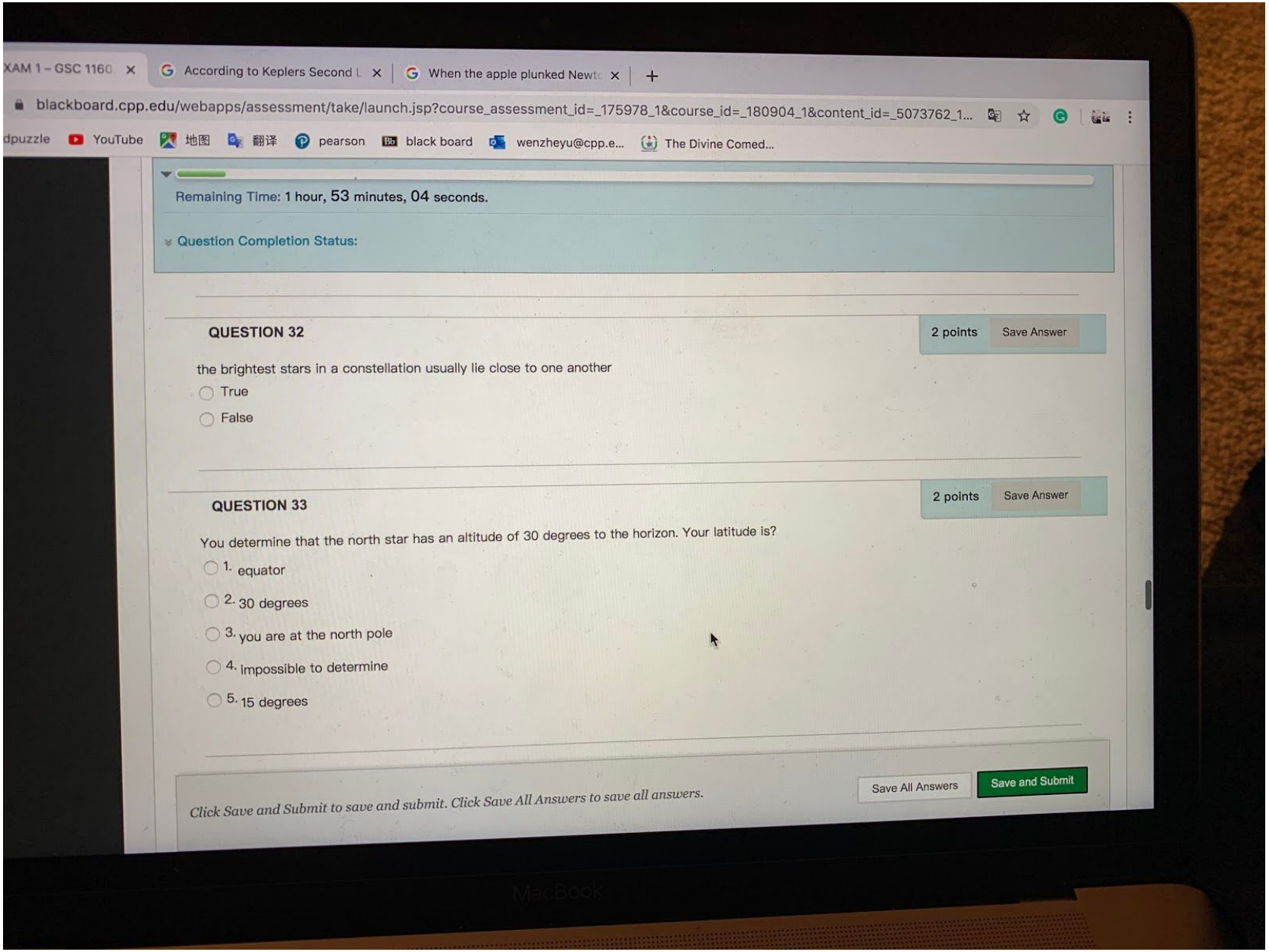
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Remaining Time: 1 hour, 53 minutes, 04 seconds.
Question Completion Status:
QUESTION 32
2 points
Save Answer
the brightest stars in a constellation usually lie close to one another
True
False
QUESTION 33
2 points
Save Answer
You determine that the north star has an altitude of 30 degrees to the horizon. Your latitude is?
1. equator
2. 30 degrees
3. you are at the north pole
4. impossible to determine
5. 15 degrees
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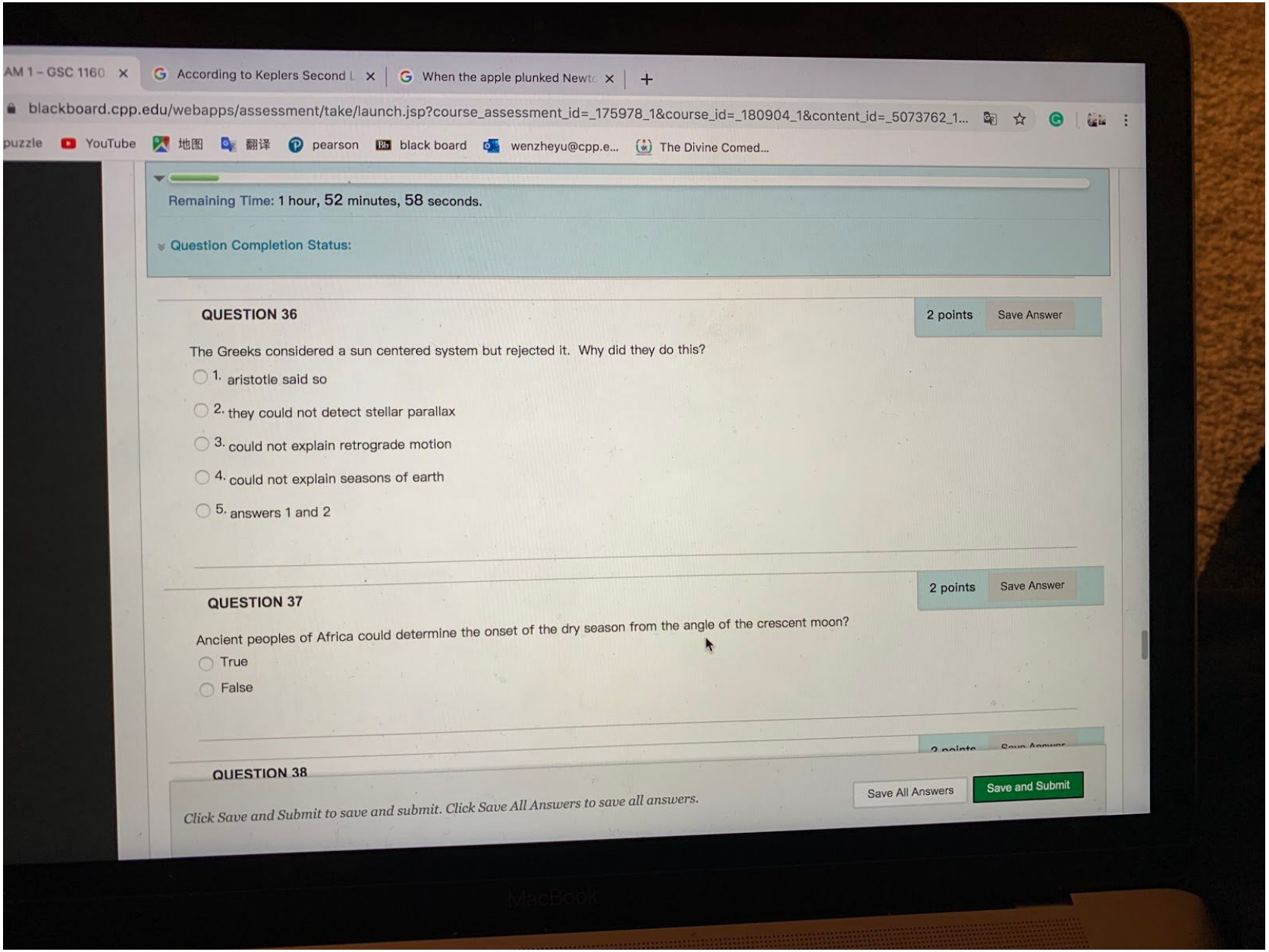
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Remaining Time: 1 hour, 52 minutes, 58 seconds.
Question Completion Status:
QUESTION 36
2 points
Save Answer
The Greeks considered a sun centered system but rejected it. Why did they do this?
1. aristotle said so
2. they could not detect stellar parallax
3. could not explain retrograde motion
4. could not explain seasons of earth
5. answers 1 and 2
QUESTION 37
2 points
Save Answer
Ancient peoples of Africa could determine the onset of the dry season from the angle of the crescent moon?
True
False
QUESTION 38
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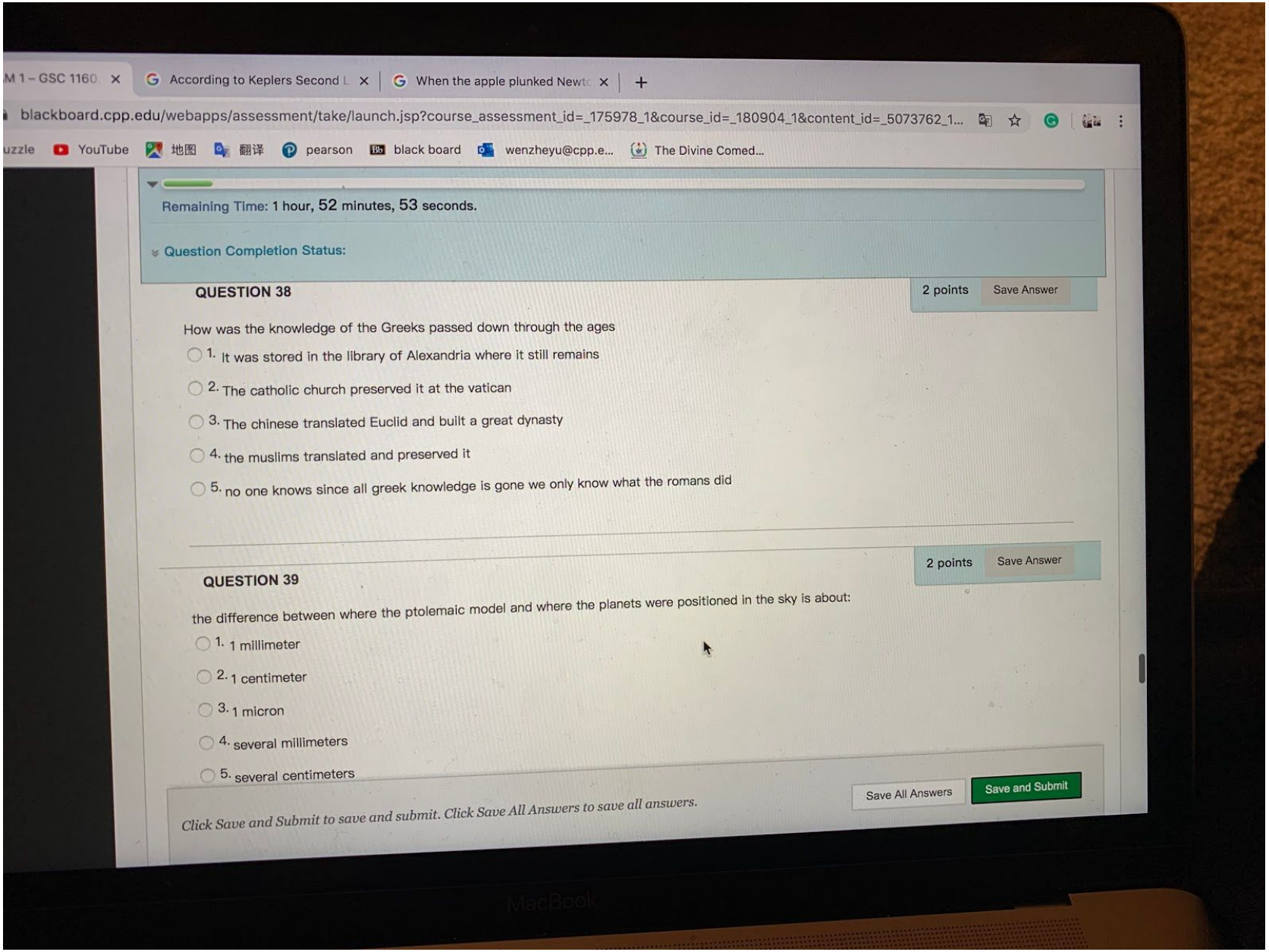
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Remaining Time: 1 hour, 52 minutes, 53 seconds.
Question Completion Status:
QUESTION 38
2 points
Save Answer
How was the knowledge of the Greeks passed down through the ages
1. It was stored in the library of Alexandria where it still remains
2. The catholic church preserved it at the vatican
3. The chinese translated Euclid and built a great dynasty
4. the muslims translated and preserved it
5. no one knows since all greek knowledge is gone we only know what the romans did
QUESTION 39
2 points
Save Answer
the difference between where the ptolemaic model and where the planets were positioned in the sky is about:
1. 1 millimeter
2. 1 centimeter
3. 1 micron
4. several millimeters
5. several centimeters
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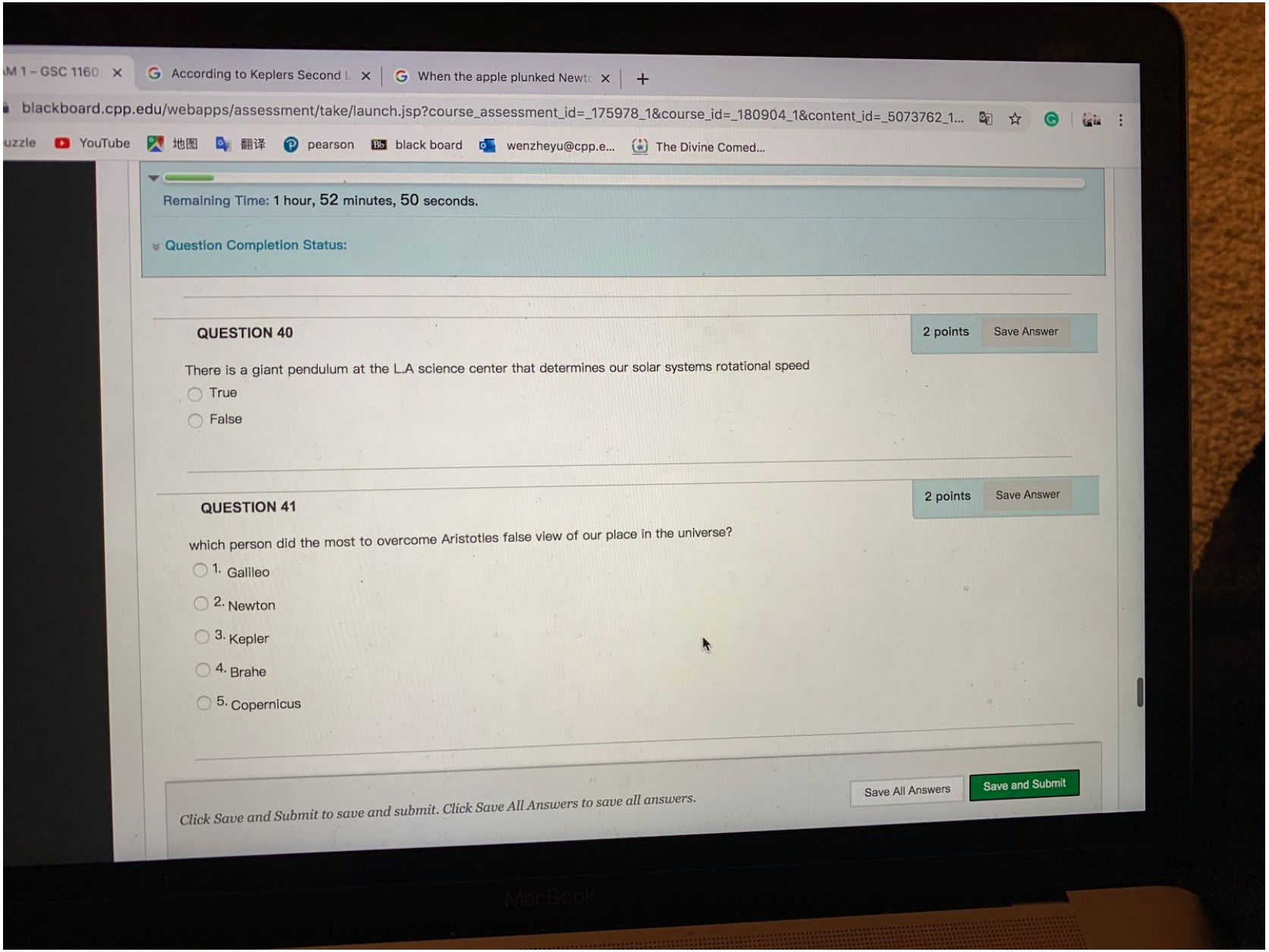
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Remaining Time: 1 hour, 52 minutes, 50 seconds.
Question Completion Status:
QUESTION 40
2 points
Save Answer
There is a giant pendulum at the L.A science center that determines our solar systems rotational speed
True
False
QUESTION 41
2 points
Save Answer
which person did the most to overcome Aristotles false view of our place in the universe?
1. Galileo
2. Newton
3. Kepler
4. Brahe
5. Copernicus
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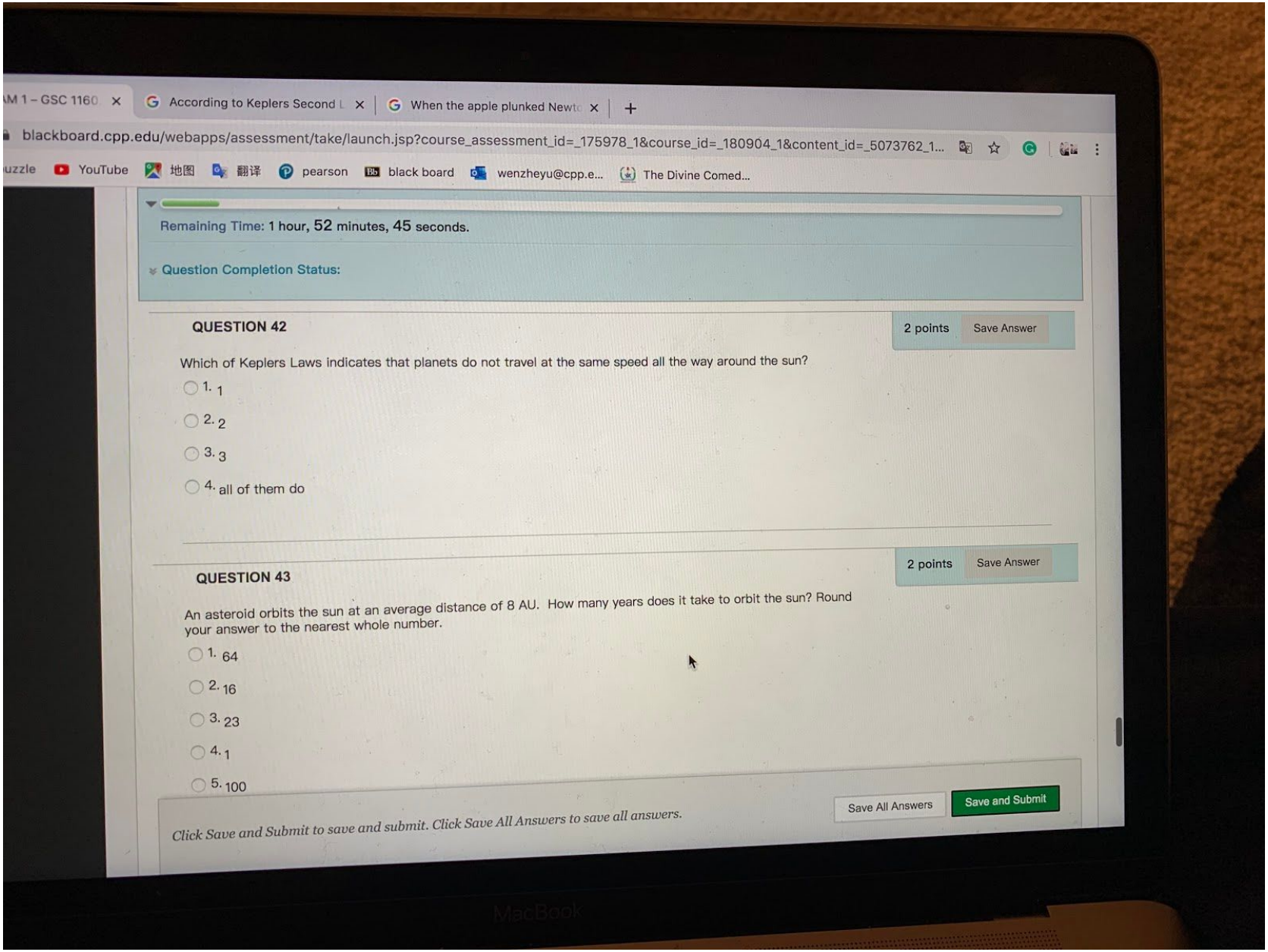
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Remaining Time: 1 hour, 52 minutes, 45 seconds.
Question Completion Status:
QUESTION 42
2 points
Save Answer
Which of Keplers Laws indicates that planets do not travel at the same speed all the way around the sun?
1. 1
2. 2
3. 3
4. all of them do
QUESTION 43
2 points
Save Answer
An asteroid orbits the sun at an average distance of 8 AU. How many years does it take to orbit the sun? Round your answer to the nearest whole number.
1. 64
2. 16
3. 23
4. 1
5. 100
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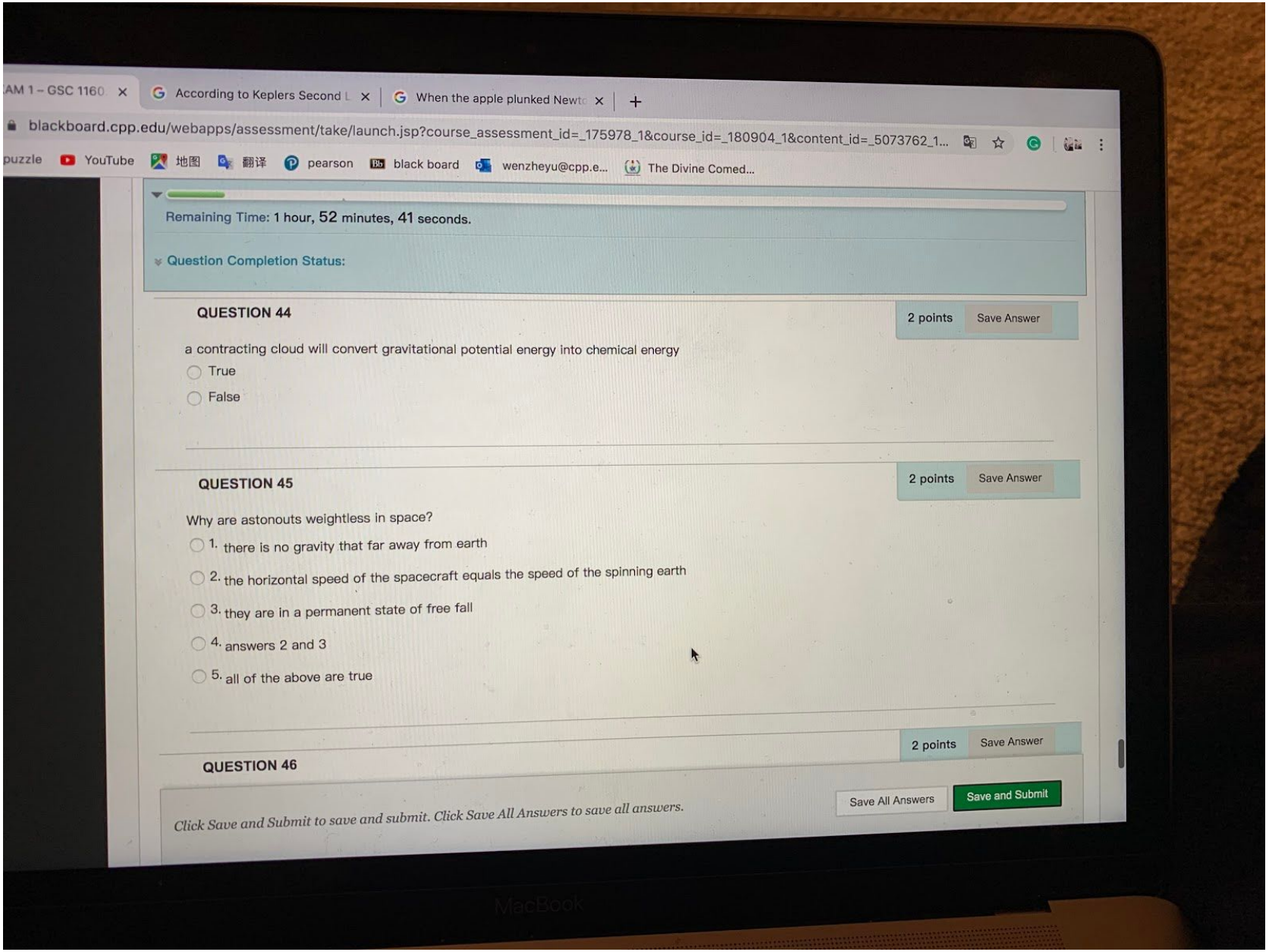
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Question Completion Status:
QUESTION 44
2 points
Save Answer
a contracting cloud will convert gravitational potential energy into chemical energy
True
False
QUESTION 45
2 points
Save Answer
Why are astonouts weightless in space?
1. there is no gravity that far away from earth
2. the horizontal speed of the spacecraft equals the speed of the spinning earth
3. they are in a permanent state of free fall
4. answers 2 and 3
5. all of the above are true
2 points
Save Answer
QUESTION 46
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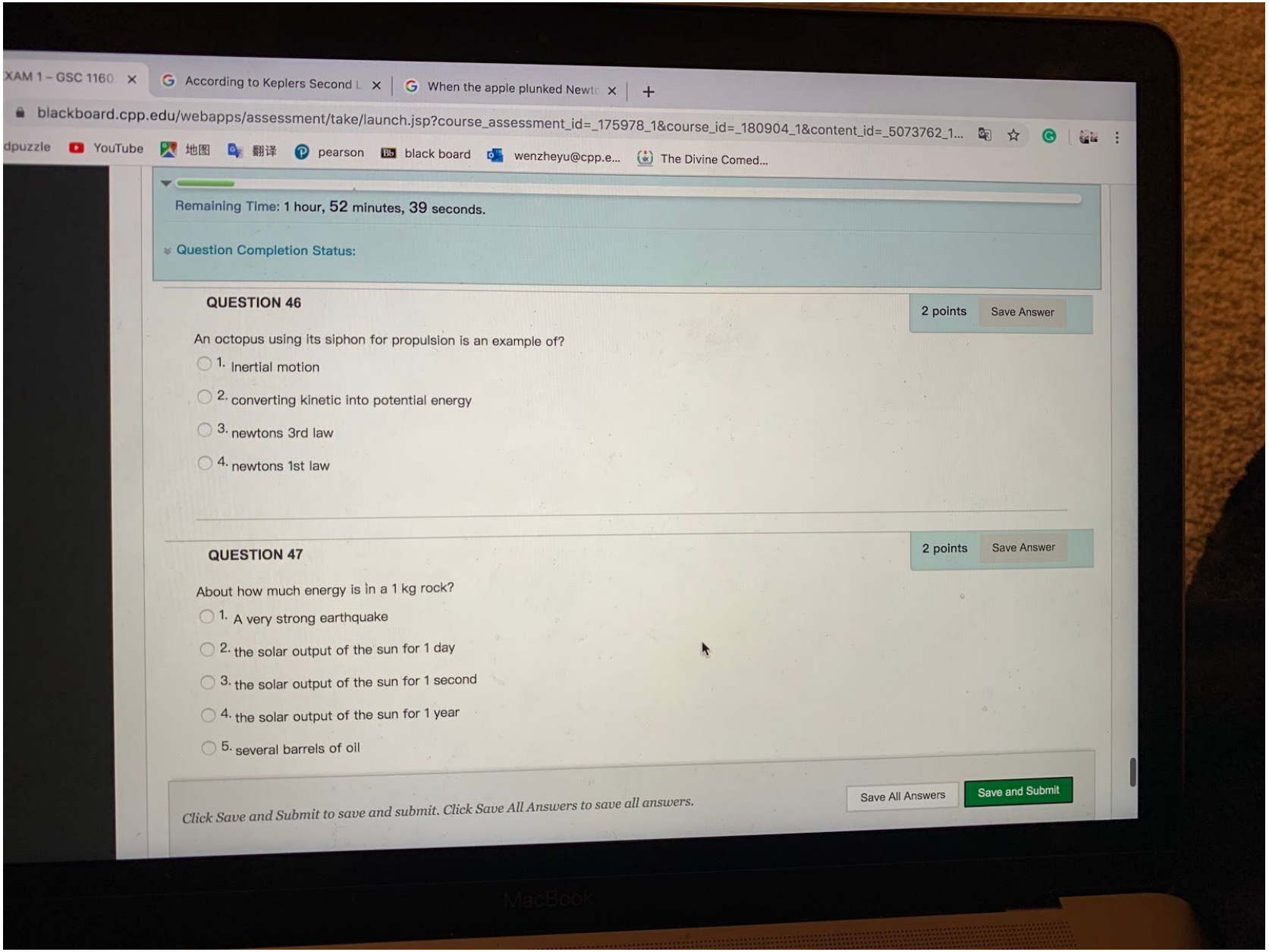
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Remaining Time: 1 hour, 52 minutes, 39 seconds.
Question Completion Status:
QUESTION 46
2 points
Save Answer
An octopus using its siphon for propulsion is an example of?
1. Inertial motion
2. converting kinetic into potential energy
3. newtons 3rd law
4. newtons 1st law
QUESTION 47
2 points
Save Answer
About how much energy is in a 1 kg rock?
1. A very strong earthquake
2. the solar output of the sun for 1 day
3. the solar output of the sun for 1 second
4. the solar output of the sun for 1 year
5. several barrels of oil
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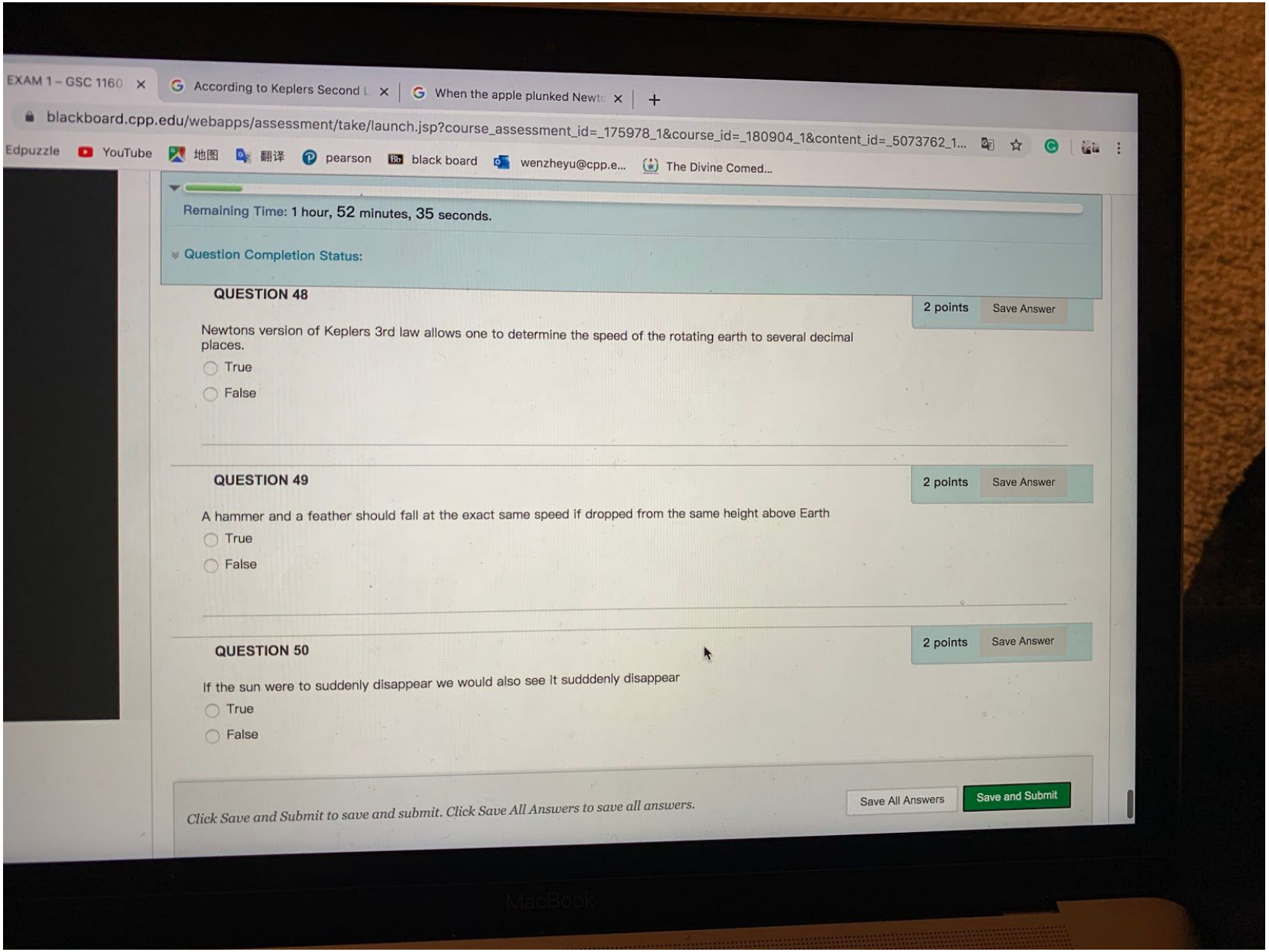
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Question Completion Status:
QUESTION 48
2 points
Save Answer
Newtons version of Keplers 3rd law allows one to determine the speed of the rotating earth to several decimal places.
True
False
QUESTION 49
2 points
Save Answer
A hammer and a feather should fall at the exact same speed if dropped from the same height above Earth
True
False
QUESTION 50
2 points
Save Answer
If the sun were to suddenly disappear we would also see it sudddenly disappear
True
False
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