

Student: Marie Curie

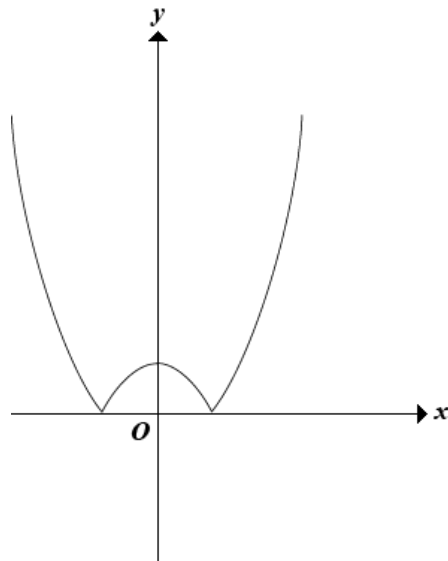
Score: 360

Rank: 95 %

Date Taken: 2/1/2012

Time: 00:04:11

1.



Multiple Choice

Value: 20 pts

Score: 20 pts

Time: 00:00:06

Which of the following could be the equation of the function graphed in the  $xy$ -plane above?

1.   $y = (-x)^2 + 1$

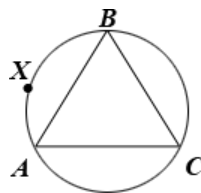
2.   $y = -(x^2) + 1$

3.   $y = |(x^2 + 1)|$

4.   $y = |(x^2 - 1)|$

5.   $y = |(x - 1)^2|$

2.



Multiple Choice

Value: 20 pts

Score: 0 pts (-20)

Time: 00:00:07

In the figure above, inscribed triangle  $ABC$  is equilateral. If the radius of the circle is  $r$ , then the length of arc  $AXB$  is

1.   $(2\pi r) / 3$

2.   $(4\pi r) / 3$

3.   $(3\pi r) / 2$

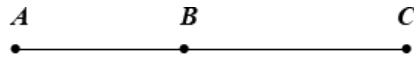
4.   $(\pi r^2) / 3$

5.   $(2\pi r^2) / 3$

Instructor Comment:

The right answer was  $(2\pi r) / 3$ . Slow down, and take more time in your calculations.

3.



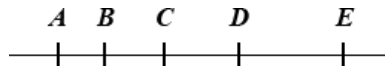
Note: Figure not drawn to scale

In the figure above, the length of line **AB** is  $2x$  and the length of line **BC** is  $3x$ . If a point is chosen at random from line **AC**, what is the probability that the point will lie on line **BC**?

1.   $2/5$
2.   $1/2$
3.   $3/5$
4.   $2/3$
5.   $5/6$

Multiple Choice  
Value: 20 pts  
Score: 20 pts  
Time: 00:00:06

4.



Note: Figure not drawn to scale

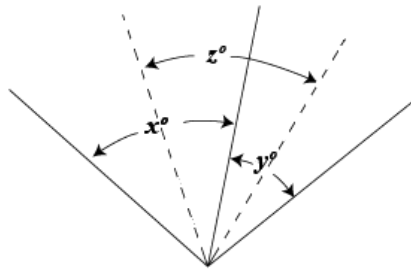
On the line above, if  $AB < BC < CD < DE$ , which of the following must be true?

1.   $AC < CD$
2.   $AC < CE$
3.   $AD < CE$
4.   $AD < DE$
5.   $BD < DE$

Multiple Choice  
Value: 20 pts  
Score: 20 pts  
Time: 00:00:05

5.

Angles



Note: Figure not drawn to scale

In the figure above,  $x = 60$  and  $y = 40$ . If the dashed lines bisect the angles with measures of  $x^\circ$  and  $y^\circ$ , what is the value of  $z$ ?

- 1.  25
- 2.  35
- 3.  40
- 4.  45
- 5.  50

Multiple Choice  
 Value: 20 pts  
 Score: 20 pts  
 Time: 00:00:06

6. Andrew Jackson's ideal vision of an American nation composed of farmers and artisans had become increasingly ----- by the 1860s, when the new ----- economy was turning craftspersons and planters into factory laborers.

- 1.  antiquated . . agricultural
- 2.  feasible . . industrial
- 3.  elusive . . artistic
- 4.  fanciful . . manufacturing
- 5.  progressive . . urban

Multiple Choice  
 Value: 20 pts  
 Score: 0 pts (-20)  
 Time: 00:00:11

Instructor Comment:  
 His vision was NOT becoming increasingly "feasible" but "fanciful"

7. Because she has a great need for -----, she loathes the public appearances demanded of her as a leading literary figure.
1.  luxury
2.  privacy
3.  reward
4.  devotion
5.  distraction
- 
8. Mrs. Williams found it ironic that her twelve-year-old son, who made all A's on his report card, was so ----- at home, apparently unable to follow her most basic instructions concerning such commonsense matters as tidiness.
1.  stubborn
2.  astute
3.  candid
4.  obtuse
5.  sullen
- 
9. Ms. Fergusson's main criticism of the artist's rendering of the ancient mammal's physical appearance is that, unsupported by even a ----- of fossil evidence, the image is bound to be -----.
1.  modicum . . speculative
2.  particle . . supplemented
3.  perusal . . substantiated
4.  fabrication . . obsolete
5.  recapitulation . . exhausted
- 
10. Because he was ----- in the face of danger, the explorer won the government's highest award for conspicuous bravery.
1.  virile
2.  heedless
3.  dauntless
4.  callow
5.  timorous
- 

Multiple Choice  
Value: 20 pts  
Score: 20 pts  
Time: 00:00:06

Multiple Choice  
Value: 20 pts  
Score: 20 pts  
Time: 00:00:04

Multiple Choice  
Value: 20 pts  
Score: 20 pts  
Time: 00:00:14

Multiple Choice  
Value: 20 pts  
Score: 20 pts  
Time: 00:00:11

11. **They use light that is 100 million times dimmer than the midday sun, and** tropical nocturnal sweat bees leave their nests to forage for food.
1.  They use light that is 100 million times dimmer than the midday sun, and
2.  By using light that is 100 million times dimmer than midday,
3.  In light that is 100 million times dimmer than the midday sun,
4.  With the light being 100 million times as dim as midday,
5.  When the light is 100 million times as dim as with the midday sun,
- 
12. Combining both figurative and abstract elements in his paintings, such painters as **Franz Kline and Richard Diebenkorn were greatly influenced by American artist Willem de Kooning, a key figure in the post-war Abstract Expressionist movement.**
1.  such painters as Franz Kline and Richard Diebenkorn were greatly influenced by American artist Willem de Kooning, a key figure in the post-war Abstract Expressionist movement
2.  a key figure in the post-war Abstract Expressionist movement who greatly influenced such painters as Franz Kline and Richard Diebenkorn was American artist Willem de Kooning
3.  American artist Willem de Kooning became a key figure in the post-war Abstract Expressionist movement and greatly influenced such painters as Franz Kline and Richard Diebenkorn
4.  Willem de Kooning, an American artist who became a key figure in the post-war Abstract Expressionist movement and greatly influenced such painters as Franz Kline and Richard Diebenkorn
5.  and a key figure in the post-war Abstract Expressionist movement, Willem de Kooning greatly influenced such painters as Franz Kline and Richard Diebenkorn as an American artist
- 
13. After serving two terms in the Texas State Senate, **Barbara Jordan's election** to the United States House of Representatives, where she served from 1973 to 1979.
1.  Barbara Jordan's election
2.  it was Barbara Jordan who was elected
3.  it was Barbara Jordan's election
4.  Barbara Jordan had been elected
5.  Barbara Jordan was elected

Multiple Choice  
Value: 20 pts  
Score: 20 pts  
Time: 00:00:25

Multiple Choice  
Value: 20 pts  
Score: 20 pts  
Time: 00:00:24

Multiple Choice  
Value: 20 pts  
Score: 20 pts  
Time: 00:00:16

14. The finest quality raw silk comes from the commonly domesticated silkworm, *Bombyx mori*, **it feeds** on the leaves of the mulberry tree.
- Multiple Choice  
Value: 20 pts  
Score: 20 pts  
Time: 00:00:15
- it feeds
  - feeding
  - they feed
  - which feeds
  - having fed
- 
15. All of the ingredients for Pablo's secret chocolate chip cookie recipe, **which included the special dark chocolate, was** available in his mother's pantry.
- Multiple Choice  
Value: 20 pts  
Score: 20 pts  
Time: 00:00:18
- which included the special dark chocolate, was
  - which included the special dark chocolate, they were
  - including the special dark chocolate that was
  - including the special dark chocolate, being
  - including the special dark chocolate, were
- 
16. (A) **Except for** the phonograph, the performances (B) **of great musicians** and the voices of famous people (C) **would have been** lost (D) **to history**. (E) **No error**
- Multiple Choice  
Value: 20 pts  
Score: 20 pts  
Time: 00:00:14
- A
  - B
  - C
  - D
  - E
- 
17. Today (A) **more than** two million Mayan Indians (B) **live in** northern Yucatán and highland Guatemala in a manner (C) **similar to** (D) **those of** their ancestors. (E) **No error**
- Multiple Choice  
Value: 20 pts  
Score: 20 pts  
Time: 00:00:06
- A
  - B
  - C
  - D
  - E
-

18. Unbelievable (A) **as it may seem**, many individuals (B) **that fought** in the American Revolution (C) **were still alive** in 1839, (D) **the year** the world was introduced to photography. (E) **No error**

1.  A

2.  B

3.  C

4.  D

5.  E

Multiple Choice  
Value: 20 pts  
Score: 20 pts  
Time: 00:00:18

19. Used (A) **in place** of buttons, hooks and eyes, (B) **or** laces, the zipper (C) **consists of** two rows of plastic or metal teeth (D) **and bound** to the edges of two strips of fabric. (E) **No error**

1.  A

2.  B

3.  C

4.  D

5.  E

Multiple Choice  
Value: 20 pts  
Score: 20 pts  
Time: 00:00:18

20. (A) **Among** the (B) **most widespread of** marine animals, starfish and sea urchins (C) **inhabit** all seas (D) **except that of** the polar regions. (E) **No error**

1.  A

2.  B

3.  C

4.  D

5.  E

Multiple Choice  
Value: 20 pts  
Score: 20 pts  
Time: 00:00:09