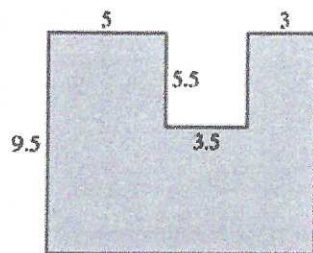


Praxis Review – Form 1

#46

Click on the answer box and type in a number. Backspace to erase.



In the figure shown, all of the corners are right angles. What is the area of the figure?

Praxis Review – Form 1

#47

Answer the question by clicking on the correct response.

Marie rode her bicycle 5 miles in 30 minutes, and Naomi rode her bicycle 4 miles in 20 minutes. What was the ratio of Marie's average speed to Naomi's average speed?

- 5 to 6
- 4 to 5
- 3 to 4
- 2 to 3

Praxis Review – Form 1

#48

Click on a choice and drag it to a box.

Order the polygons below from the polygon with the least number of lines of symmetry to the polygon with the greatest number of lines of symmetry.

An equilateral triangle

A square

A regular hexagon

An isosceles triangle

A rectangle that is not a square

Least Number of Lines of Symmetry

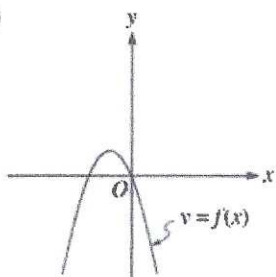
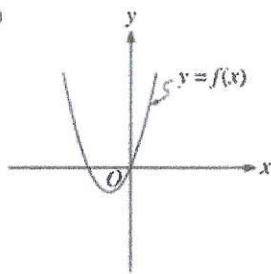
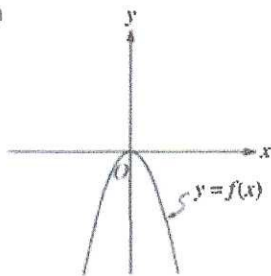
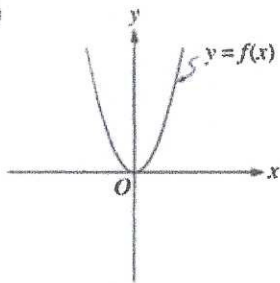
Greatest Number of Lines of Symmetry

Praxis Review – Form 1

#49

Answer the question by clicking on the correct response.

The function f is defined by $f(x) = ax^2 + bx + c$ for all real numbers x . If $b < 0$ and $c = 0$, which of the following could be the graph of f in the xy -plane?

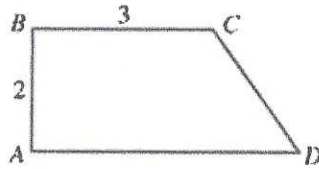


Praxis Review – Form 1

#50

Time Remaining = 0:36:4

Click on the answer box and type in a number. Backspace to erase.



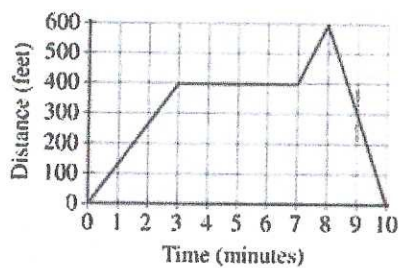
Trapezoid $A'B'C'D'$ is similar to trapezoid $ABCD$ shown. If $A'B' = 5$, what is the length of $\overline{B'C'}$?

$B'C' =$

Praxis Review – Form 1

#51

Answer the question by clicking on the correct response.



The graph shows the distance Tom walked from his house this morning as a function of time. Which of the following could have been true of Tom from 3 minutes after he left his house this morning to 7 minutes after he left his house this morning?

- Tom was standing still, away from his house.
- Tom was walking in one direction on a flat road.
- Tom was walking at a slower pace toward his house.
- Tom was walking at a faster pace away from his house.

Praxis Review – Form 1

#52

Answer the question by clicking on the correct response.

$$(10x^3 - 4xy^2 + 4y^3) - (5x^3 - 2x^2y + y^3)$$

When Sarah solved the problem shown, she concluded that the answer was $5x^3 - 2x^2y^2 + 3y^3$. Which of the following describes the mistake that Sarah most likely made when solving the problem?

- She combined unlike terms when simplifying.
- She distributed the negative sign incorrectly.
- She multiplied when she should have added.
- She subtracted when she should have added.

Praxis Review – Form 1

#53

Answer the question by clicking on the correct response.

For the past 10 years, Bill's retirement account has increased in value by 8 percent each year. If the pattern of increase continues for the next 3 years, which of the following is closest to the total percent increase in the value of Bill's retirement account over the 3 years?

- 24%
- 25%
- 26%
- 27%

Praxis Review – Form 1

#54

Click on your choices.

For each system of equations in the table below, check the appropriate box to indicate if the system consists of equations of parallel lines, equations of perpendicular lines, or equations of lines that are neither parallel nor perpendicular.

System	Equations of Parallel Lines	Equations of Perpendicular Lines	Equations of Lines That Are Neither Parallel nor Perpendicular
$y = \frac{3}{4}x - 5$ $y = \frac{4}{3}x - 5$	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
$y = -\frac{2}{5}x + 6$ $y = \frac{5}{2}x - 6$	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
$y = -\frac{2}{3}x + 1$ $y = -\frac{2}{3}x - 1$	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Praxis Review – Form 1

#55

Click on the answer box and type in a number. Backspace to erase.

x	$f(x)$	$g(x)$
1	3	-2
2	4	0
3	5	2
4	6	4
5	7	6

The table above shows some values of the functions f and g for x values 1 through 5. For which value of x shown does $f(x) = g(x + 2)$?