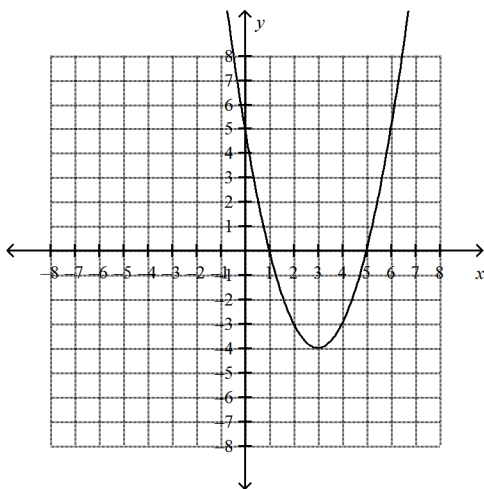


Algebra II Practice Quiz 1.8**Short Answer**

1. (5 points) Translate the point (1, 1) right 2 units and down 2 units. Give the coordinates of the translated point.

2. (5 points) Use a table to translate the graph 3 units to the left.

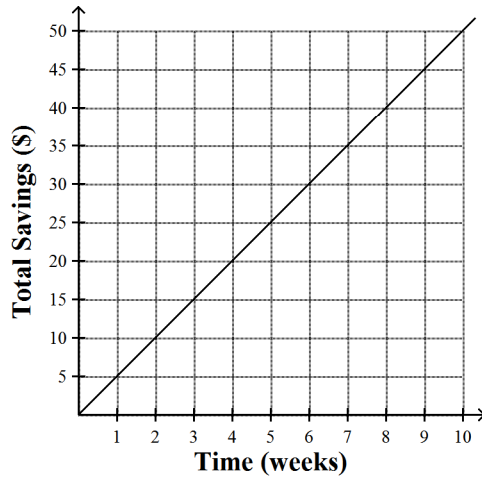


3. (5 points) Use a table to perform a vertical stretch of $f(x) = x$ by a factor of 3. Graph the transformed function on the same coordinate plane as the original function.

Name: _____

ID: A

4. (5 points) The graph shows Carmen's savings each week. She decides to save 2.5 times as much money each week. Sketch a graph that represents the new savings and identify the transformation of the original graph that it represents.



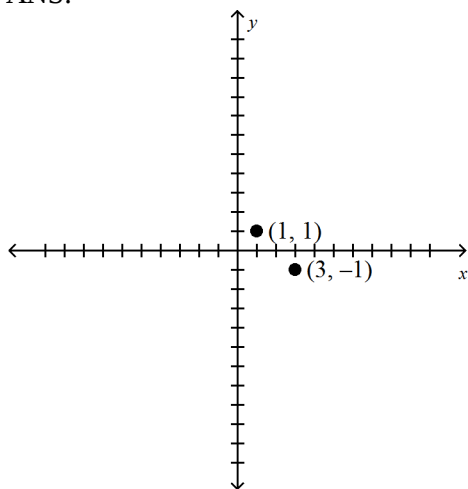
5. (5 points) Fabric that regularly sells for \$4.90 per square foot is on sale for 10% off. Write an equation that represents the cost of s square feet of fabric during the sale. Write a transformation that shows the change in the cost of fabric.

Algebra II Practice Quiz 1.8

Answer Section

SHORT ANSWER

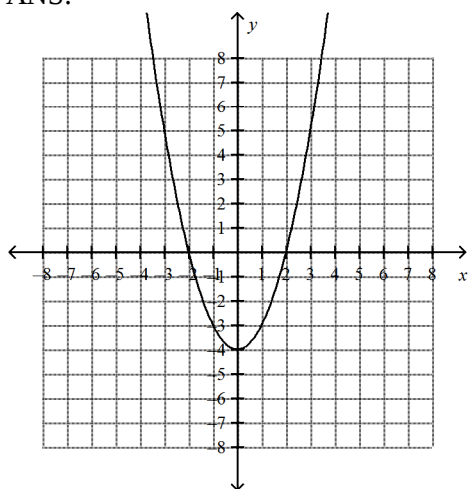
1. ANS:



PTS: 5

REF: Page 59

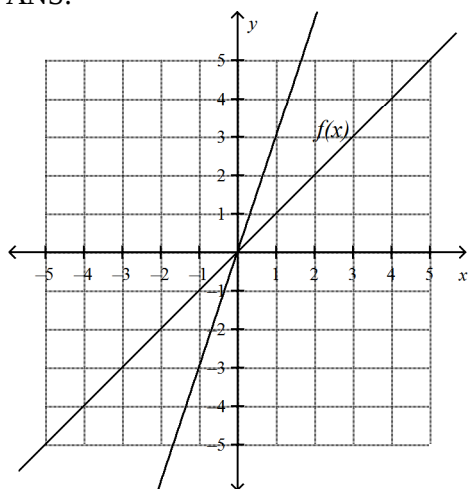
2. ANS:



PTS: 5

REF: Page 60

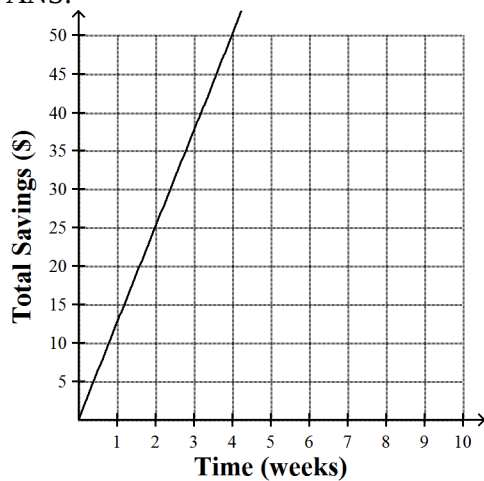
3. ANS:



PTS: 5

REF: Page 61

4. ANS:



The graph represents a vertical stretch by a factor of 2.5.

PTS: 5

REF: Page 62

5. ANS:

$$(4.90 - 0.49)s; (x, y) \rightarrow (x, 0.9y)$$

PTS: 5