

**Module 6 Test Review**

Name: \_\_\_\_\_

Solve the system of linear equations.

\_\_\_ 1.  $6x - 2y = -18$   
 $2x - 2y = 2$

- a  $(-5, -6)$       b  $(5, -6)$       c  $(-2, 3)$       d  $(-2, -3)$

\_\_\_ 2.  $x + 4y = 6$   
 $-x - y = -3$

- a  $(-2, 1)$       b  $(2, 1)$       c  $(-0, -3)$       d  $(-0, 3)$

\_\_\_ 3.  $-6x + y = 14$   
 $y = 6x - 16$

- a  $(8, 22)$     b  $(4, 18)$     c No solution      d Infinitely many solutions

\_\_\_ 4.  $y = -x + 30$   
 $y = x + 6$

- a  $(12, 18)$       b  $(13, 17)$       c  $(10, 16)$       d  $(11, 19)$

\_\_\_ 5. The table shows the purchases of two customers at a concession stand at the basketball game. How much does a hamburger cost?

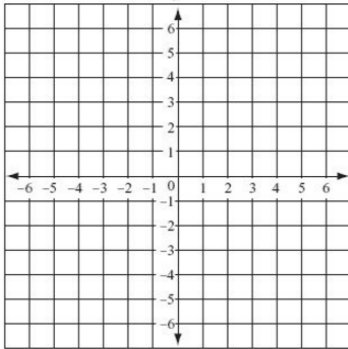
	Hamburgers	Drinks	Total Cost
<b>Customer 1</b>	6	2	\$34.50
<b>Customer 2</b>	3	8	\$33.00

- a \$5.00      b \$7.50      c \$2.25      d \$4.59

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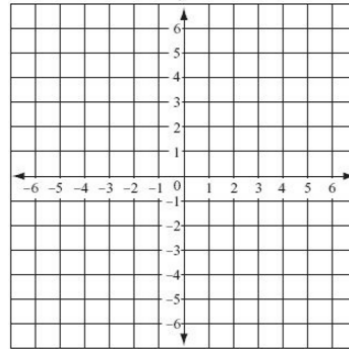
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6. Solve the following system of equations.  
 $y = -x + 2$   
 $y = 3x + 6$

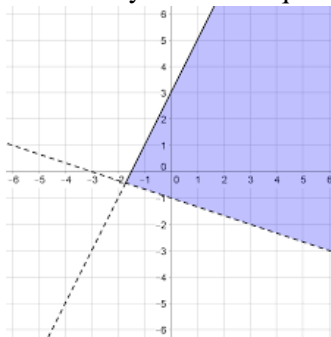


**Solution:** \_\_\_\_\_

7. Solve the system of inequalities  
 $y > -2x - 4$   
 $2x + 3y \leq 3$



8. Write the System of Inequalities



9. Solve the system of equations.  $4x - 3y = 6$   
 $x = 2y - 1$

**Solution:** \_\_\_\_\_

10. Solve:

$$y = -x + 1$$

$$x - 4y = 6$$

**Solution:** \_\_\_\_\_

11. Solve:

$$4x + 2y = -8$$

$$6x - 3y = -24$$

**Solution:** \_\_\_\_\_

12. Sherry bought 3 pajama sets and 4 pairs of socks for \$69. Jackie bought 4 pajama sets and 5 pairs of socks for \$90. How much did a pair of socks cost?

13. Rob has 25 coins in nickels and dimes. The coins total \$1.65. How many nickels and dimes does Rob have?

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