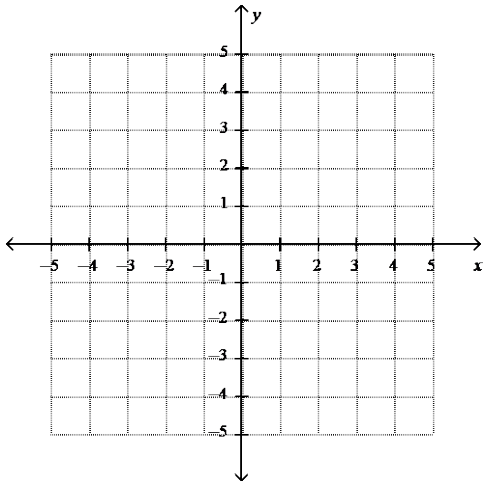
Chapter 7 Test Review Packet

Name: _____

Solve the linear system by <u>GRAPHING</u>. Check your solution.

1.) $3x + 6y = 15$

$-2x + 3y = -3$

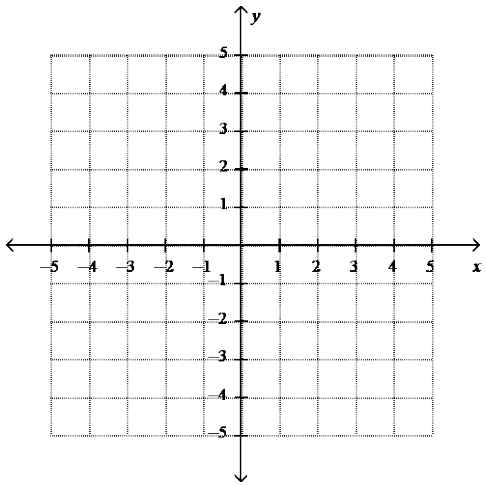


1.) _____

Check:

2.) $2x + y = 6$

$-2x + y = 2$



2.) _____

Check:

In #3 and #4, solve the linear system using <u>SUBSTITUTION</u>. Check your solution.

3.) $3x + 2y = 31$

$x = y + 7$

3.) _____

Check:

In #3 and #4, solve the linear system using <u>SUBSTITUTION</u>. Check your solution.

4.) $2x - y = -2$

$8x + 2y = 10$

4.) _____

Check:

In #5 and #6, solve the linear system using <u>ELIMINATION</u>. Check your solution.

5.) $x + 3y = 3$

$3x + 18y = 9$

5.) _____

Check:

6.) $5x + 4y = 9$

$4x + 5y = 9$

6.) _____

Check:

In #7, write two equations and <u>SOLVE</u>.

7.) You sold adult tickets for $25 and children tickets for $20 for your upcoming concert. Today, you sold a total of 41 tickets and collected $905 total for the ticket sales. Find the number of adult tickets and children tickets sold.

Variables:_____

Equation #1:_____

Equation #2:_____

7.) _____

_____

In #8, write two equations but <u>DO NOT SOLVE</u>.

8.) Mr. Haasser and Ms. Hentrich go to Buffalo Wild Wings for lunch. Mr. Haasser hammers down 4 spicy wings and 5 garlic wings and spends $19.91. Ms. Hentrich orders 3 spicy wings and 1 garlic wing and spends a whopping $9.46. How much does each spicy wing and garlic wing cost?

Variables:_____

Equation #1:_____

Equation #2:_____