

NAME _____

Date _____ Period _____

Section 5.2

ALGEBRA

Solving Systems via Elimination (Addition Method): Practice B

1. If $5x + y = 11$ and $3x - y = 5$ what is the value of x ?

2. If $2x + 2y = 12$ and $-2x + y = 3$ what is the value of y ?

4. If $5x - 2y = 12$ and $3x + 2y = 4$ what is the value of $2x + 3$?

5. What is the value of x in the system of equations below (circle your answer below)?

$$\begin{cases} 3x + y = 10 \\ 2x - y = 10 \end{cases}$$

a) 1

b) 2

c) 3

d) 4



6. What is the value of y in the system of equations below (circle your answer below)?

$$\begin{cases} 2x + 3y = 6 \\ -2x + y = 2 \end{cases}$$

- a) 2 b) 4 c) 6 d) 8

7. If $x + 4y = 10$ and $-x + 5y = 8$ what is the value of $3x - 2$?

8. Look at the two equations graphed to the right.

What is the point of intersection for those 2 lines?

- a) (2, 1) b) (1, 2) c) (-1, 2) d) (-2, 1)

