

**Algebra 1 Yearlong  
Linear Combination Worksheet 8**

Name \_\_\_\_\_

Find the intersection point (answer for x and y) for each problem.  
Use the Linear Combination Method.

1) 
$$\begin{aligned} 4x - 3y &= 1 \\ 2x + y &= 3 \end{aligned}$$

2) 
$$\begin{aligned} 6x - 2y &= 6 \\ x + 4y &= 14 \end{aligned}$$

3) 
$$\begin{aligned} x + y &= 4 \\ 2x + 3y &= 9 \end{aligned}$$

4) 
$$\begin{aligned} 5x - 2y &= 3 \\ 2x + 7y &= 9 \end{aligned}$$

5) 
$$\begin{aligned} 3x + 2y &= 12 \\ 2x + 5y &= 8 \end{aligned}$$

6) 
$$\begin{aligned} 3x + 5y &= 11 \\ 2x - 3y &= 1 \end{aligned}$$

7) 
$$\begin{aligned} 5x - 4y &= 14 \\ 3x + 3y &= 3 \end{aligned}$$

8) 
$$\begin{aligned} 3x + 9y &= 0 \\ 11x - 2y &= 35 \end{aligned}$$

9) 
$$\begin{aligned} 5x + 2y &= 7 \\ 3x + 7y &= 10 \end{aligned}$$

10) 
$$\begin{aligned} -6x - 5y &= -2 \\ 12x + 10y &= 4 \end{aligned}$$