

WS Review for PC #1 - Unit 3

Solve each system by graphing.

1) $y = -\frac{1}{4}x + 2$

$y = \frac{3}{4}x - 2$

2) $y = -x - 4$
 $y = 7x + 4$

3) $5x - y = 2$
 $5x - y = -2$

4) $x = -2$
 $x - y = 1$

Solve each system by substitution.

5) $3x - 3y = 12$
 $y = 3x - 4$

6) $8x + 4y = -16$
 $y = x + 14$

7) $-8x - y = 11$
 $y = -5x - 8$

8) $-14x + 2y = -2$
 $y = 7x - 1$

9) $y = -2x - 9$
 $y = 2x + 11$

10) $y = -3x + 20$
 $y = -4$

$$\begin{aligned} 11) \quad y &= 3x - 10 \\ y &= 6x - 16 \end{aligned}$$

$$\begin{aligned} 12) \quad y &= x - 7 \\ y &= -3x + 5 \end{aligned}$$

Solve each system by elimination.

$$\begin{aligned} 13) \quad 18x + 2y &= -28 \\ 9x + y &= -13 \end{aligned}$$

$$\begin{aligned} 14) \quad -x + 6y &= 18 \\ -7x + 3y &= -30 \end{aligned}$$

$$\begin{aligned} 15) \quad -10x + 8y &= 14 \\ -4x + 16y &= -20 \end{aligned}$$

$$\begin{aligned} 16) \quad 10x - 3y &= -19 \\ 20x - 10y &= -10 \end{aligned}$$

$$\begin{aligned} 17) \quad -5x - 3y &= -20 \\ 2x + 4y &= -6 \end{aligned}$$

$$\begin{aligned} 18) \quad -7x - 2y &= -27 \\ -2x + 3y &= 28 \end{aligned}$$

$$\begin{aligned} 19) \quad -9x + 9y &= 9 \\ -2x + 4y &= 6 \end{aligned}$$

$$\begin{aligned} 20) \quad -5x + 3y &= 1 \\ -2x - 7y &= 25 \end{aligned}$$