

Solving Systems by Substitution

Solve each system by substitution.

1) $y = 2x - 14$
 $y = 3x - 17$

2) $y = -8x + 18$
 $y = -4x + 6$

3) $-3x - 2y = 10$
 $y = -2$

4) $y = 2x + 3$
 $4x - 2y = -6$

$$\begin{aligned} 5) \quad & 0.1y = 0.2x + 0.7 \\ & 0.3x - 0.4y = -0.8 \end{aligned}$$

$$\begin{aligned} 6) \quad & \frac{1}{3}y = \frac{1}{3}x - 1 \\ & \frac{1}{7}x + \frac{4}{7}y = -1 \end{aligned}$$

$$\begin{aligned} 7) \quad & 3x + y = 8 \\ & 4x + 2y = 10 \end{aligned}$$

$$\begin{aligned} 8) \quad & y = 0 \\ & 2x + 2y = 6 \end{aligned}$$