

Algebra WS 6.3 #1

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Solve each system by elimination (addition).

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

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

3)
$$\begin{aligned} 3x - y &= -18 \\ -3x - y &= 12 \end{aligned}$$

4)
$$\begin{aligned} 5x + 2y &= 9 \\ 2x - 2y &= 12 \end{aligned}$$

Solve each system by elimination (subtraction).

$$\begin{aligned} 5) \quad & 7x + 10y = 16 \\ & 2x + 10y = 26 \end{aligned}$$

$$\begin{aligned} 6) \quad & -7x - 6y = 14 \\ & -10x - 6y = 20 \end{aligned}$$

$$\begin{aligned} 7) \quad & 4x + 9y = 14 \\ & 4x + 4y = -16 \end{aligned}$$

$$\begin{aligned} 8) \quad & -2x - 10y = 18 \\ & -2x - 4y = 6 \end{aligned}$$

Answers to Algebra WS 6.3 #1 (ID: 1)

1) $(-10, 0)$

2) $(0, 2)$

3) $(-5, 3)$

4) $(3, -3)$

5) $(-2, 3)$

6) $(-2, 0)$

7) $(-10, 6)$

8) $(1, -2)$