

Class Time Examples

Date _____

Solve each system by elimination.

$$\begin{aligned} 1) \quad 0 &= -8y - 6x + 16 \\ -5x + 4 &= 2y \end{aligned}$$

$$\begin{aligned} 2) \quad -24 - 12y - 4x &= 0 \\ -2x - 12 &= 6y \end{aligned}$$

$$\begin{aligned} 3) \quad 0 &= x + 6y \\ y &= -4x \end{aligned}$$

$$\begin{aligned} 4) \quad 4y &= -12 - 16x \\ -8y &= 24 + 10x \end{aligned}$$

$$\begin{aligned} 5) \quad -18 + 6y - 2x &= 0 \\ 7y + 13 &= 8x \end{aligned}$$

$$\begin{aligned} 6) \quad -9 + x &= -7y \\ -y &= 7x - 15 \end{aligned}$$

$$\begin{aligned} 7) \quad 21x - 42y &= -42 \\ 3x + 5 &= 7y \end{aligned}$$

$$\begin{aligned} 8) \quad 0 &= 7y + 14 + 2x \\ -6x + 6 - 9y &= 0 \end{aligned}$$

Answers to Class Time Examples

- 1) $(0, 2)$
- 4) $(0, -3)$
- 8) $(7, -4)$

2) Infinite number of solutions

5) $(6, 5)$

3) $(0, 0)$

6) $(2, 1)$

7) $(-4, -1)$

