

Linear Combinations 4

Date _____ Period _____

Solve each system by elimination.

1)
$$\begin{aligned} 3x - 5y &= -18 \\ -3x + 4y &= 18 \end{aligned}$$

2)
$$\begin{aligned} -6x - 5y &= 13 \\ x + 5y &= 2 \end{aligned}$$

3)
$$\begin{aligned} -4x + 2y &= 0 \\ 8x - 5y &= -8 \end{aligned}$$

4)
$$\begin{aligned} -2x + 7y &= 2 \\ -4x + 14y &= 4 \end{aligned}$$

5)
$$\begin{aligned} -2x + 9y &= -3 \\ -7x + 10y &= 11 \end{aligned}$$

6)
$$\begin{aligned} -25 + 8x &= y \\ 5 - 10y &= 5x \end{aligned}$$

Answers to Linear Combinations 4 (ID: 1)

1) $(-6, 0)$

2) $(-3, 1)$

3) $(4, 8)$

4) Infinite number of solutions

5) $(-3, -1)$

6) $(3, -1)$