

Solving Linear Systems by Linear Combinations

Period _____

Solve each system by elimination.

$$\begin{aligned} 1) \quad & 15 + 7x = -6y \\ & 0 = x + 5y - 2 \end{aligned}$$

$$\begin{aligned} 2) \quad & 3y + \frac{11}{3} = -5x \\ & 48y + 64 = -80x \end{aligned}$$

$$\begin{aligned} 3) \quad & -23 + 84x - 72y = 0 \\ & 20 = -60y + 70x \end{aligned}$$

$$\begin{aligned} 4) \quad & -1 + \frac{5}{3}x = 2y \\ & -6x - 10y = -38 \end{aligned}$$

$$\begin{aligned} 5) \quad & -7x = 1 + 11y \\ & -3x - 15 - 12y = 0 \end{aligned}$$

$$\begin{aligned} 6) \quad & 55y = 25 + 20x \\ & 35 - 77y = -28x \end{aligned}$$

$$\begin{aligned} 7) \quad & -56 - 16x = 6y \\ & 30 + 10x + 5y = 0 \end{aligned}$$

$$\begin{aligned} 8) \quad & 7y - 14 = 11x \\ & 0 = -12y - 6x + 24 \end{aligned}$$