

Algebra Review - Systems of Equations & Solving

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Solve each equation.

1) $3 = \frac{x}{20}$

2) $\frac{n}{9} = -16$

3) $4 = 9 + k$

4) $-9 = \frac{a}{12}$

5) $x + 3 = -15$

6) $x - 17 = 2$

7) $-2 = 5 - n$

8) $-22 = m - 16$

9) $-266 = 14p$

10) $-133 = -7x$

11) $4 = \frac{n}{19}$

12) $-3 = \frac{m}{7}$

Solve each system by elimination.

$$\begin{aligned} 13) \quad & 7x - 2y = 17 \\ & -7x + 7y = 28 \end{aligned}$$

$$\begin{aligned} 14) \quad & -7x - 3y = 20 \\ & 7x + y = -30 \end{aligned}$$

$$\begin{aligned} 15) \quad & 10x - y = -2 \\ & -2x + y = -6 \end{aligned}$$

$$\begin{aligned} 16) \quad & 6x + 7y = 9 \\ & -6x - 4y = 0 \end{aligned}$$

$$\begin{aligned} 17) \quad & -8x + 4y = -4 \\ & 5x - 2y = 0 \end{aligned}$$

$$\begin{aligned} 18) \quad & 2x + 9y = -17 \\ & -x - 3y = 4 \end{aligned}$$

$$\begin{aligned} 19) \quad & 6x - 3y = -12 \\ & 3x - 9y = -21 \end{aligned}$$

$$\begin{aligned} 20) \quad & 9x + 16y = -5 \\ & 3x + 8y = -7 \end{aligned}$$

$$\begin{aligned} 21) \quad & -6x + 7y = 0 \\ & -9x + 10y = 0 \end{aligned}$$

$$\begin{aligned} 22) \quad & 9x - 3y = 18 \\ & -5x + 2y = -10 \end{aligned}$$

$$\begin{aligned} 23) \quad & -8x + 2y = -18 \\ & 10x - 9y = 3 \end{aligned}$$

$$\begin{aligned} 24) \quad & 10x + 8y = -12 \\ & 6x - 5y = -17 \end{aligned}$$