

Review of Solving Systems of Equations--No Calculator!!

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Solve each system by elimination.

$$1) \begin{aligned} -y + 4 &= -\frac{1}{4}x \\ -30 + 15x &= 6y \end{aligned}$$

$$2) \begin{aligned} 0 &= -1 - 6y - x \\ -3 &= 3x - 8y \end{aligned}$$

$$3) \begin{aligned} 5x + 4y &= -28 \\ 2x + 3y &= -21 \end{aligned}$$

$$4) \begin{aligned} 9x + 7y &= -20 \\ 7x + 10y &= 30 \end{aligned}$$

$$5) \begin{aligned} -5x - 9y &= 26 \\ -4x + 2y &= 30 \end{aligned}$$

$$6) \begin{aligned} 6x - 5y &= -9 \\ -10x + 7y &= 19 \end{aligned}$$

Solve each system by substitution.

$$7) \begin{aligned} -3x - 7y &= -8 \\ -x + y &= 4 \end{aligned}$$

$$8) \begin{aligned} x - 2y &= -12 \\ 2x + 7y &= -2 \end{aligned}$$

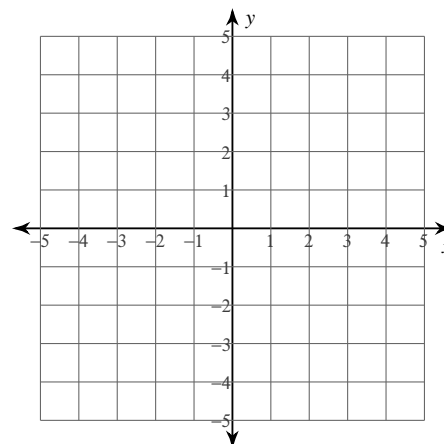
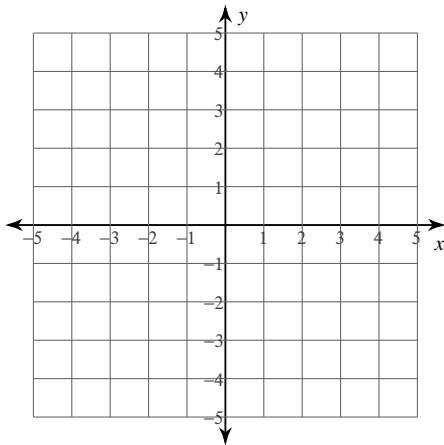
$$9) \begin{aligned} 5x + 7y &= -3 \\ 7x + y &= -13 \end{aligned}$$

$$10) \begin{aligned} 8x + 5y &= 11 \\ -3x + y &= -7 \end{aligned}$$

Solve each system by graphing.

$$11) \begin{aligned} -x - \frac{2}{3}y + \frac{2}{3} &= 0 \\ -y + 3 &= \frac{1}{2}x \end{aligned}$$

$$12) \begin{aligned} 2 - 2y &= -x \\ 0 &= -1 - \frac{3}{16}x - \frac{1}{4}y \end{aligned}$$



Answers to Review of Solving Systems of Equations--No Calculator!!

1) (4, 5)

2) (-1, 0)

3) (0, -7)

4) (-10, 10)

5) (-7, 1)

6) (-4, -3)

7) (-2, 2)

8) (-8, 2)

9) (-2, 1)

10) (2, -1)

11) (-2, 4)

12) (-4, -1)