

Review for Ch 6 Test

Solve each system by graphing.

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

$$2) \begin{aligned} 15 - 5y &= -x \\ y &= -2 + \frac{1}{5}x \end{aligned}$$

Solve each system by substitution.

$$3) \begin{aligned} -7x - 5y &= -7 \\ -x + y &= -1 \end{aligned}$$

$$4) \begin{aligned} 6x - 6y &= -6 \\ -6x + 5y &= 5 \end{aligned}$$

Solve each system by elimination.

$$5) \begin{aligned} -7x - 12y &= -3 \\ -4x + 6y &= 24 \end{aligned}$$

$$6) \begin{aligned} -12x &= 24y - 48 \\ -12 - 21x &= 18y \end{aligned}$$

Solve each system by ANY METHOD.

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

$$8) \begin{aligned} y &= x + 1 \\ y &= \frac{1}{8}x - 6 \end{aligned}$$

$$9) \begin{aligned} 42 &= 3x + 6y \\ y + 3x &= 2 \end{aligned}$$

$$10) \begin{aligned} -y - 7 &= \frac{2}{9}x \\ 0 &= -4x + 9 - 3y \end{aligned}$$