

Graphing Systems of Equations

Solve each system by graphing.

1) $y = -\frac{7}{2}x + 4$

$y = -\frac{1}{2}x - 2$

2) $y = \frac{3}{2}x + 3$

$y = -\frac{1}{4}x - 4$

3) $y = -\frac{3}{7}x - 8$

$y = \frac{8}{7}x + 3$

4) $y = 11x - 6$

$y = x + 4$

5) $2x + y = -8$
 $x - 3y = 3$

6) $y = 6$
 $15x + 8y = -72$

7) $0 = -14 - x - 7y$
 $-\frac{2}{9}y = 2 - \frac{4}{21}x$

8) $-3y - 18 = -x$
 $6 + 3y = 5x$

9) $0 = 15 - 2x - 5y$
 $20 = -9x - 5y$

10) $-8y - 15x = -48$
 $24y + 45x = -24$

11) $0 = -y - 4 + x$
 $-12 = -3y - 5x$

12) $1 - \frac{1}{3}y - \frac{5}{12}x = 0$
 $-1 + \frac{1}{3}y = -\frac{5}{12}x$