

System of Equations Review

Write the slope-intercept form of the equation of each line.

1) $15x + 4y = 32$ $y = -\frac{15}{4}x + 8$

3) $x - 12y = 43$ $y = \frac{1}{12}x - \frac{43}{12}$

5) $x - 4y = 3$ $y = \frac{1}{4}x - \frac{3}{4}$

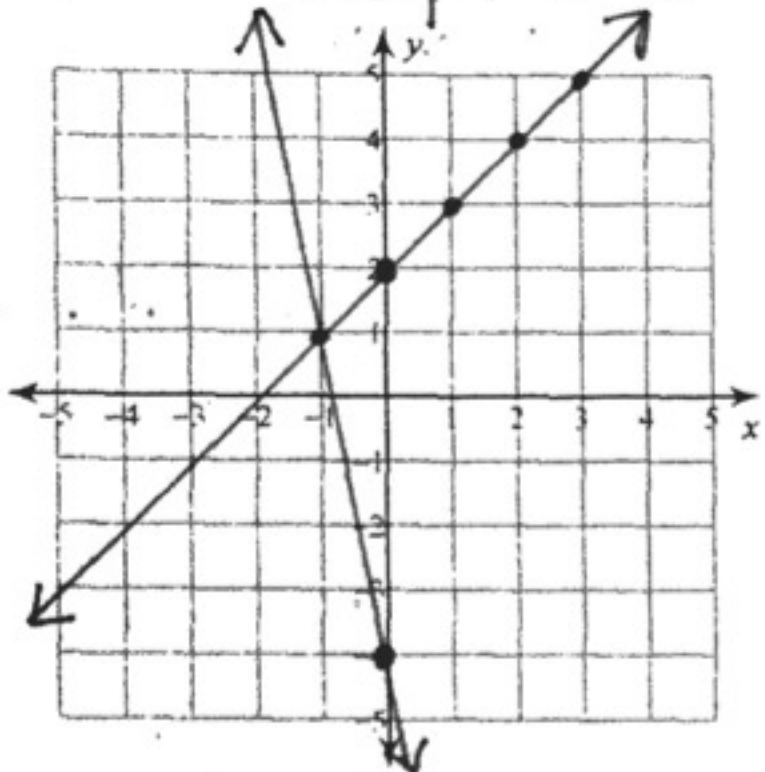
2) $x + 4y = 4$ $y = -\frac{1}{4}x + 1$

4) $x - 8y = -24$ $y = \frac{1}{8}x + 3$

6) $x - y = -6$ $y = \frac{1}{1}x + 6$ or $y = x + 6$

Solve each system by graphing.

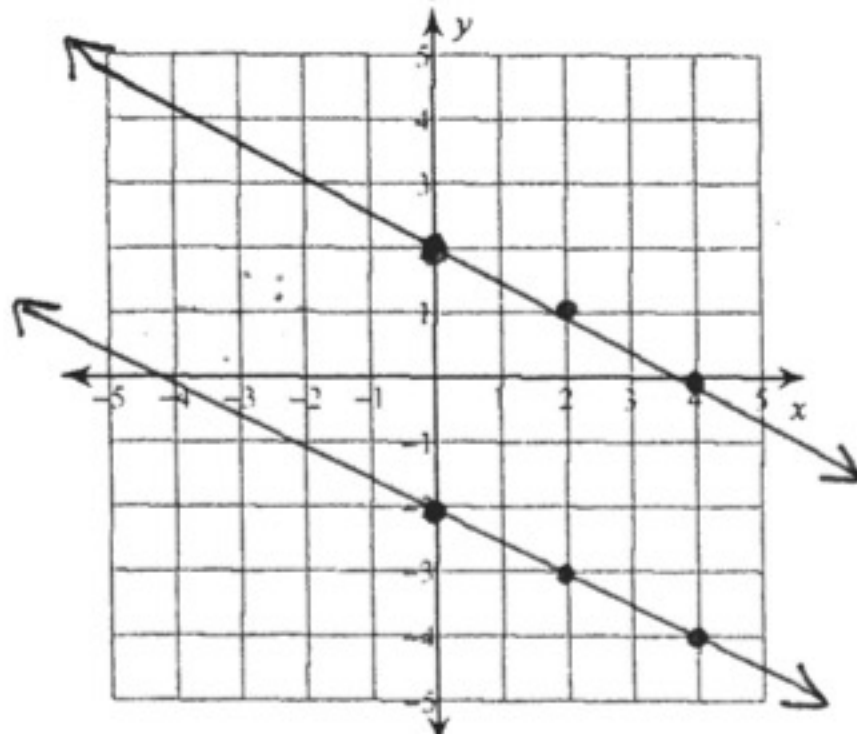
7) $y = -5x - 4$ $m = -5$ $b = -4$
 $y = x + 2$ $m = 1$ $b = 2$



$(-1, 1)$

8) $y = -\frac{1}{2}x + 2$ $m = -\frac{1}{2}$ $b = 2$

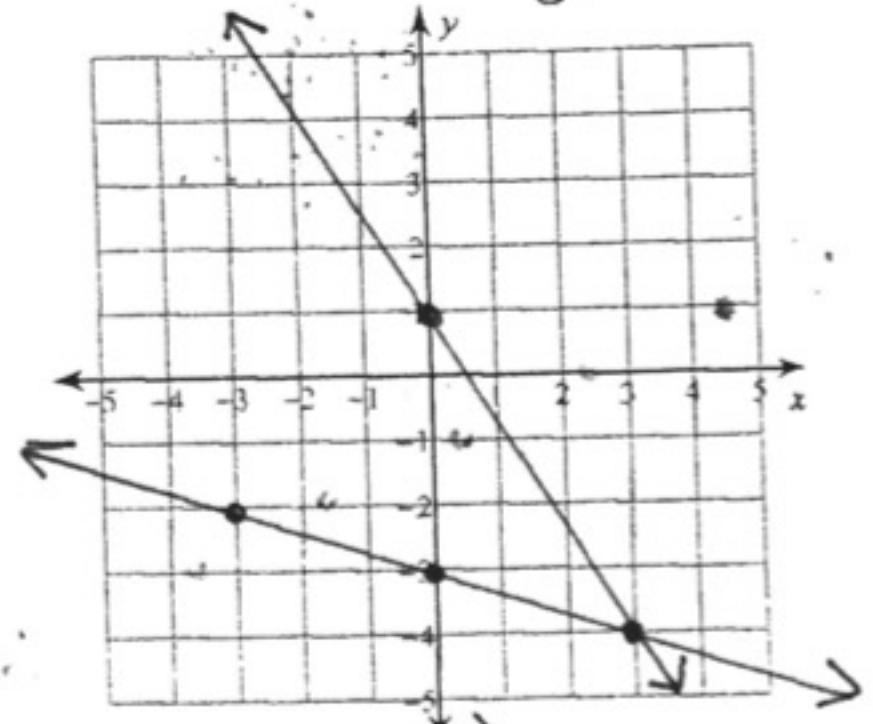
$y = -\frac{1}{2}x - 2$ $m = -\frac{1}{2}$ $b = -2$



No solution

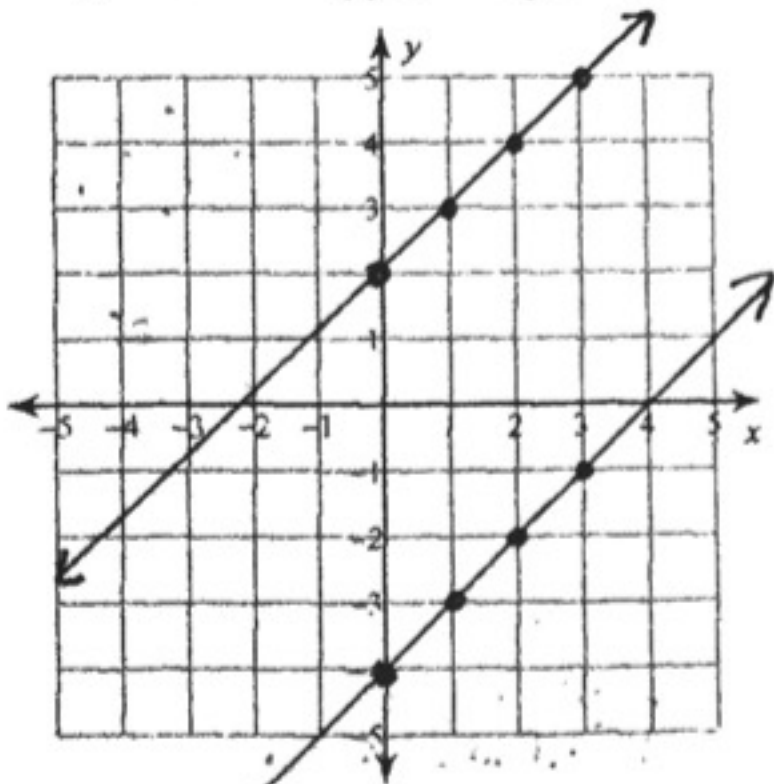
9) $y = -\frac{5}{3}x + 1$ $m = -\frac{5}{3}$ $b = 1$

$y = -\frac{1}{3}x - 3$ $m = -\frac{1}{3}$ $b = -3$



$(3, -4)$

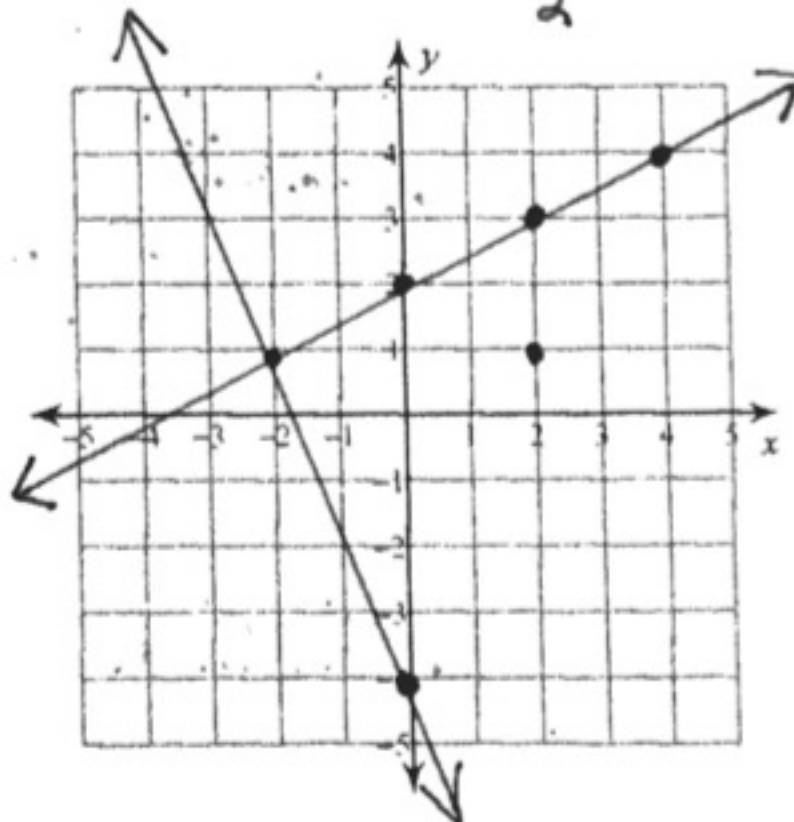
10) $y = x + 2$ $m = 1$ $b = 2$
 $y = x - 4$ $m = 1$ $b = -4$



No solution

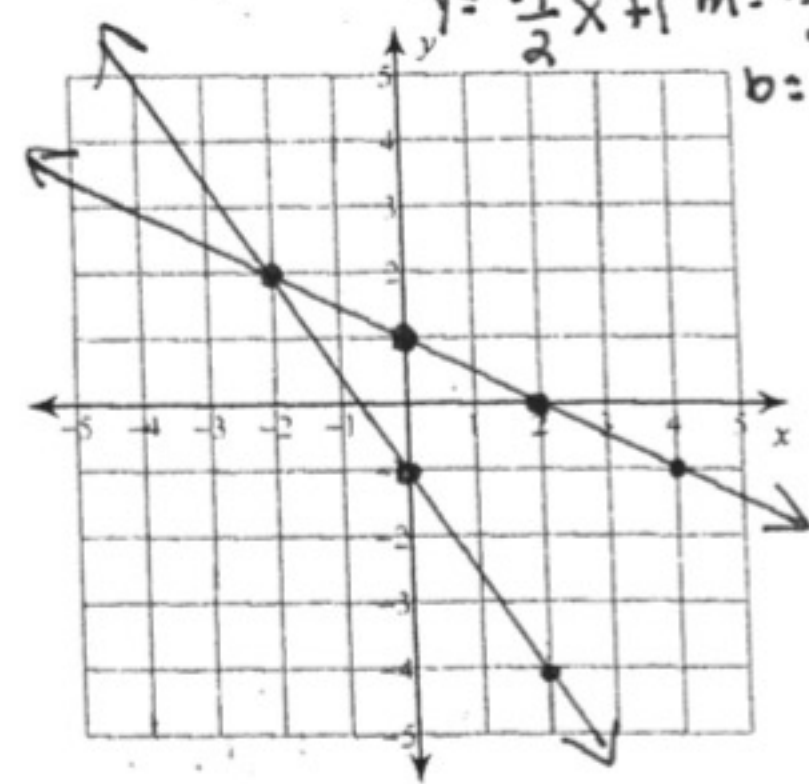
11) $y = \frac{1}{2}x + 2$ $m = \frac{1}{2}$ $b = 2$

$y = -\frac{5}{2}x - 4$ $m = -\frac{5}{2}$ $b = -4$



$(-2, 1)$

12) $3x + 2y = -2$ $y = -\frac{3}{2}x - 1$ $m = -\frac{3}{2}$ $b = -1$
 $x + 2y = 2$ $y = \frac{1}{2}x + 1$ $m = \frac{1}{2}$ $b = 1$



$(-2, 2)$