

Geometry

Graphing Review Homework

Solve the following through elimination:

1) $-4x - 2y = -12$

$$4x + 8y = -24$$

2) $4x + 8y = 20$

$$-4x + 2y = -30$$

Solve the following through substitution:

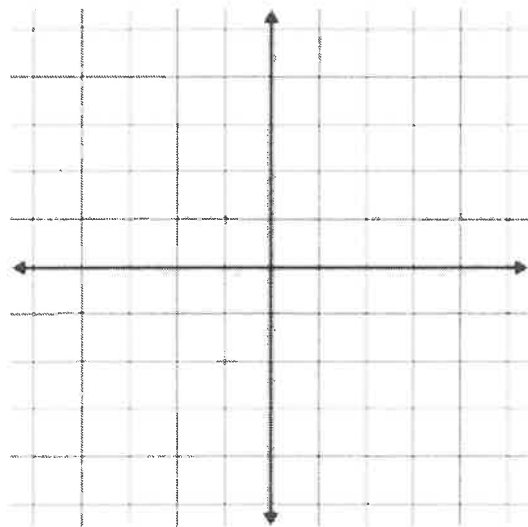
3) $x - y = 11$

$$6x + 4y = -10$$

Solve the following through graphing:

4) $-6x + 5y = 5$

$$2x + y = 4$$



- Find the x- and y- intercepts of $4x - 5y + 20 = 0$.
a. $x=5, y=-4$ **b.** $x=-5, y=4$ **c.** $x=-5, y=-4$ **d.** $x=5, y=4$
- Given the line $2y = 3x - 6$, what is the slope and y-intercept?
a. $m = 3, y - \text{int.} = -6$ **b.** $m = 3, y - \text{int.} = 2$
c. $m = \frac{3}{2}, y - \text{int.} = -6$ **d.** $m = \frac{3}{2}, y - \text{int.} = -3$
- Find the equation of the line perpendicular to $x - 2y + 5 = 0$ passing through $(0,4)$.
a. $y = \frac{1}{2}(x - 5)$ **b.** $y = 2x + 4$ **c.** $y = -\frac{1}{2}x + \frac{5}{2}$ **d.** $y = -2x + 4$
- Find the equation of a line through the points $(3,2)$ and $(-3,6)$.
a. $2x + 3y = 12$ **b.** $3x + 2y = -12$ **c.** $-3x + 2y = 4$ **d.** $-2x - 3y = 4$
- Find the equation of a line with x-intercept=2 and y-intercept=-1.
a. $y = -\frac{1}{2}x - 1$ **b.** $y = -2x - 1$ **c.** $y = \frac{1}{2}x - 1$ **d.** $y = -2x + 1$
- Given the line: $3x + 2y = 7$, which of the following line is perpendicular to this line.
a. $y = \frac{3}{2}x + 4$ **b.** $y = -\frac{2}{3}x - 4$ **c.** $y = \frac{2}{3}x + 3$ **d.** $y = -\frac{2}{3}x + 5$
- Find the equation of a line through the point $(2,1)$ and parallel to the line $5x - 2y = 7$.
a. $2x - 5y = 8$ **b.** $5x - 2y = 8$ **c.** $5x + 2y = -4$ **d.** $-2x + 5y = 4$