# Directed Learning Activity

## Graphing Linear Equations Part I

In this activity, we will review how to graph linear equations in two variables by finding ordered pair solutions and intercepts.

Click on the link below for video instructions
https://youtu.be/_MvyZKpmKdw

Graph each linear equation by finding at least two ordered pair solutions.

**1.** $y = 3x - 4$

**2.** $4x - 5y = 20$

**3.** $y = -\frac{2}{3}x + 1$

**4.** $y = 0.5x + 3$

Graph each linear equation by finding the x-intercept and y-intercept.

**5.** $3x - 2y = 6$

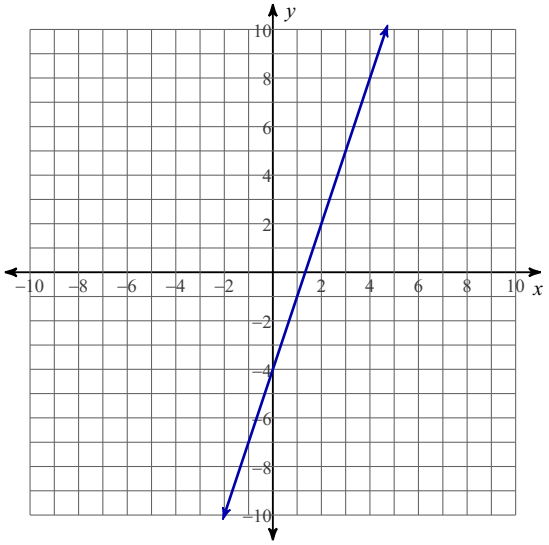
**6.** $y = -2x + 5$

**7.** $6x - 4y = -12$

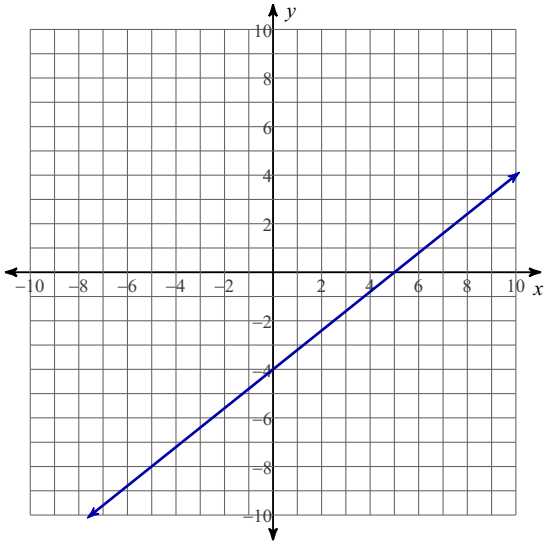
**8.** $4x + 3y = 6$

# Answer Key

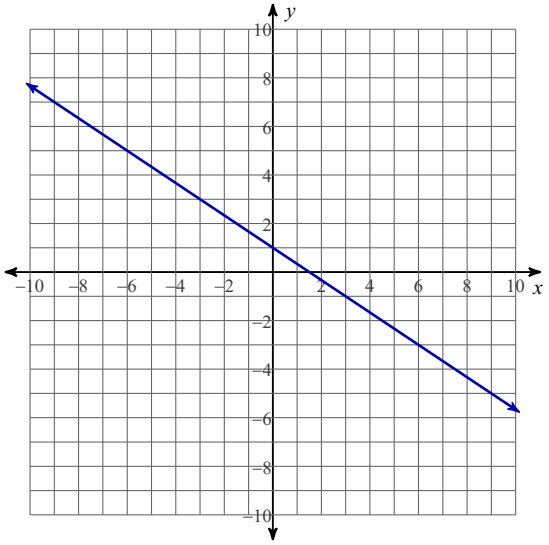
1) possible points: (0,−4),(2,2),(4,8)



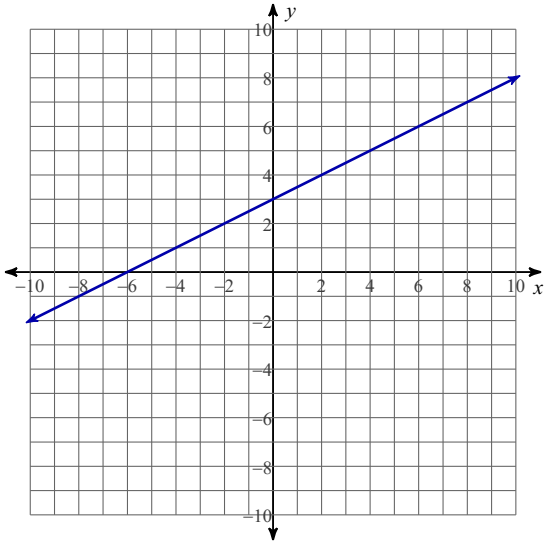
2) possible points: (0,−4),(5,0),(2,−2.4)



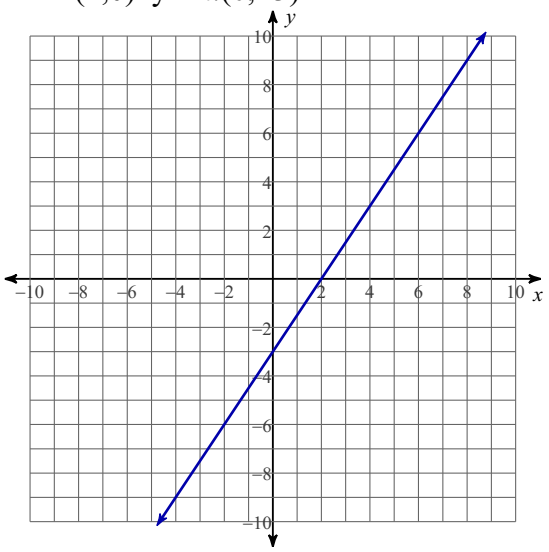
3) possible points: (0,1),(3,−1),(−6,5)



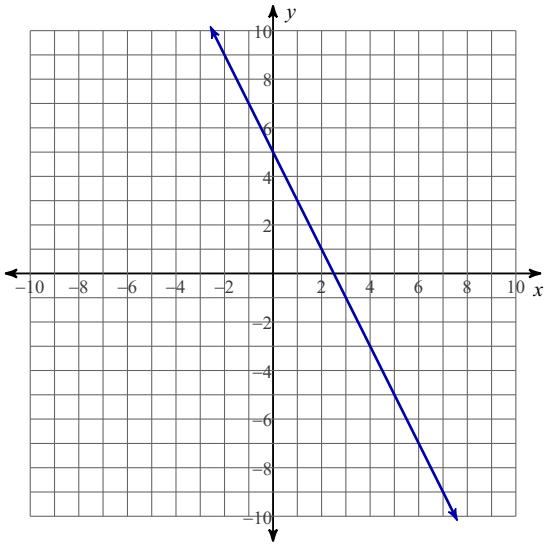
4) possible points:(0,3),(2,4),(−4,1)



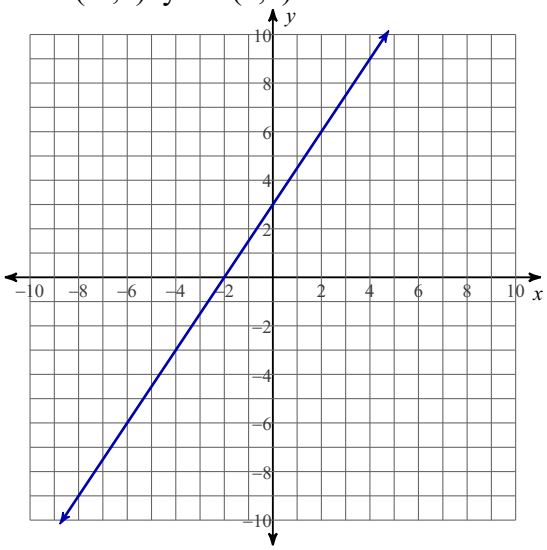
5) x-int:(2,0) y-int:(0,−3)



6) x-int:$(\frac{5}{2},0)$ y-int:(0,5)



7) x-int:(-2,0) y-int:(0,3)




8) y-int:(0,2) x-int($\frac{3}{2}$,0)