

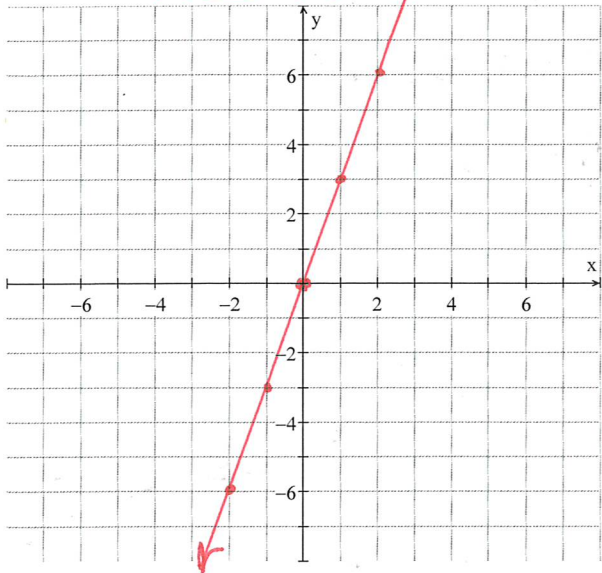
# Show Me the Money Review

(Graphing Systems of Linear Equations)

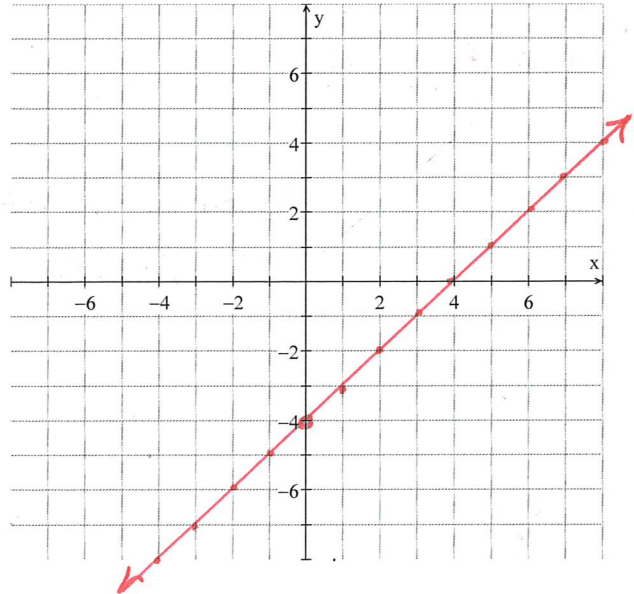
Name: 7<sup>th</sup>

Graph the equations.

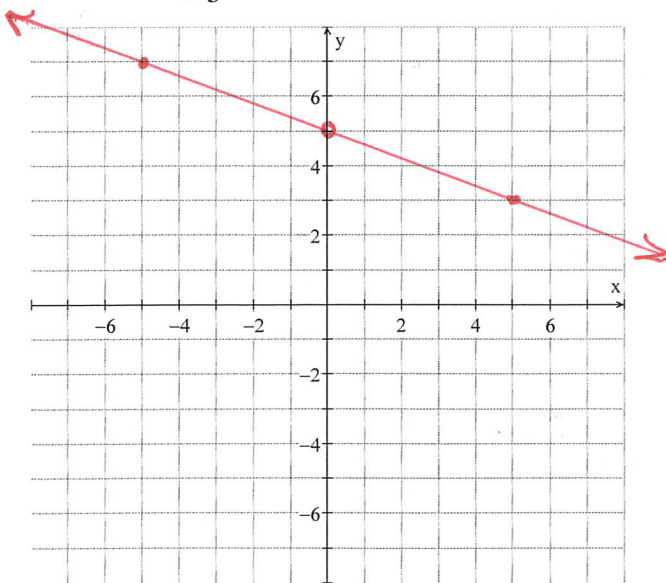
1.  $y = 3x + 0$   
↑ RISE  
↓ RUN



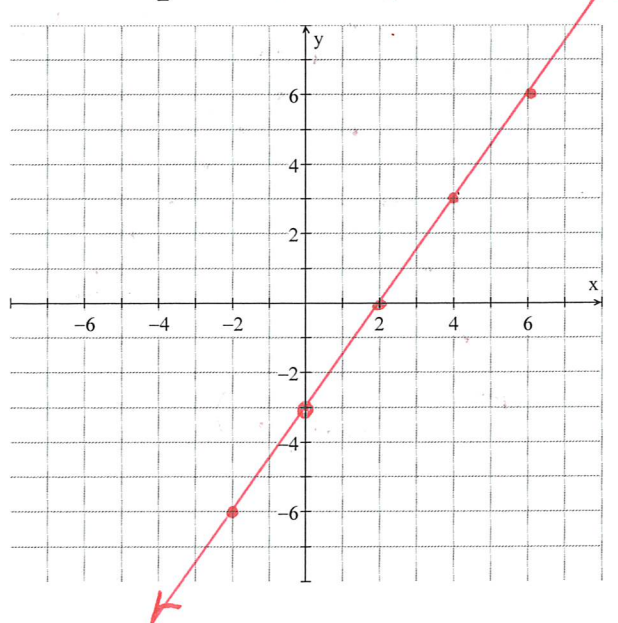
2.  $y = x - 4$



3.  $y = -\frac{2}{5}x + 5$   
→  $-\frac{2}{5} = \frac{-2}{5}$



4.  $y = \frac{3}{2}x - 3$



Convert the equation from standard form to slope-intercept form and identify the slope and y-intercept.

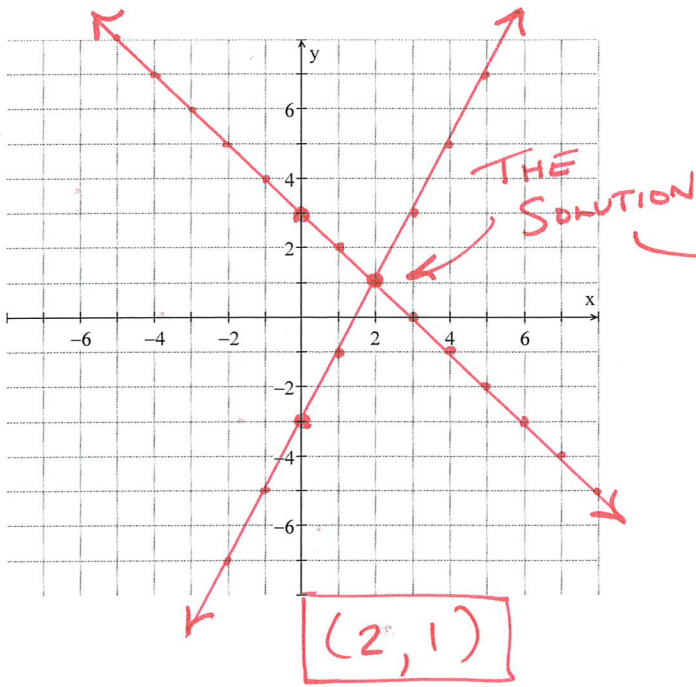
5.  $3x - 2y = 8$       Slope:  $\frac{3}{2}$   
 $\frac{-3x}{-2} = \frac{-3x}{-2} + \frac{8}{-2}$   
 $-\frac{2y}{-2} = -\frac{3x}{-2} + \frac{8}{-2}$   
 $y = \frac{3}{2}x - 4$   
 Y-Intercept:  $-4$

6.  $12x - 4y = -24$       Slope:  $3$   
 $\frac{-12x}{-4} = \frac{-12x}{-4} + \frac{-24}{-4}$   
 $-\frac{4y}{-4} = -\frac{12x}{-4} + \frac{-24}{-4}$   
 $y = 3x + 6$   
 Y-Intercept:  $6$

↖      SLOPE-INTERCEPT FORM      ↗

Solve the system of linear equations.

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



8.  $y = -\frac{5}{3}x + 1$        $-\frac{5}{3}$  or  $\frac{5}{-3}$   
 $y = -\frac{1}{3}x + 5$        $-\frac{1}{3}$

