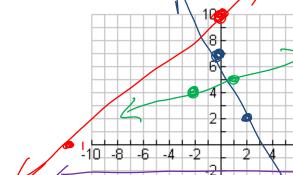
Objective CHECK DEAL OR NO DEAL!

Objective 1: Graph a line from any form

a. Graph
$$y = -\frac{5}{2}x + 7$$

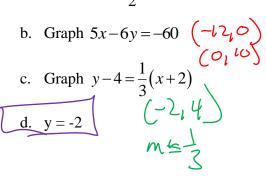


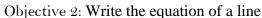
b. Graph
$$5x - 6y = -60$$
 (-12,0)



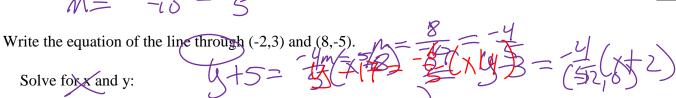
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c. Graph
$$y-4=\frac{1}{3}(x+2)$$





$$M = \frac{8 - 4}{-10} = \frac{5}{5}$$



b. Write the equation of the line perpendicular to
$$5x-6y=-60$$
 and through (-4,17).

c. Write the equation of the line parallel to
$$y-4=\frac{1}{3}(x+2)$$
 and through the x-intercept of $5x-6y=-60$.

$$y = \frac{1}{3}(x+12)$$

Objective 3: Solve a system that has multiple solutions

$$\begin{cases} (x-3)^2 + (y+5)^2 = 49 \\ y = 3x - 4 \end{cases}$$

Solve for x and y:
$$\begin{cases} (x-3)^2 + (y+5)^2 = 49 \\ y = 3x-4 \end{cases} \times -3 = 49$$

$$\begin{cases} (x-3)^2 + (y+5)^2 = 49 \\ y = 3x-4 \end{cases} \times -3 = 49$$

$$\begin{cases} (x-3)^2 + (y+5)^2 = 49 \\ (x-3)^2 + (y+5)^2 = 49 \end{cases} \times -3 = 49$$

$$\begin{cases} (x-3)^2 + (y+5)^2 = 49 \\ (x-3)^2 + (y+5)^2 = 49 \end{cases} \times -3 = 49$$

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$$\begin{cases} (x-3)^2 + (y+5)^2 = 49 \\ (x-3)^2 + (y+5)^2 = 49 \end{cases} \times -3 = 49$$

$$\begin{cases} (x-3)^2 + (y+5)^2 = 49 \\ (x-3)^2 + (y+5)^2 = 49 \end{cases} \times -3 = 49$$

$$\begin{cases} (x-3)^2 + (y+5)^2 + (y+5)^2 = 49 \\ (x-3)^2 + (y+5)^2 = 49 \end{cases} \times -3 = 49$$

$$\begin{cases} (x-3)^2 + (y+5)^2 + (y+5)^2 + (y+5)^2 = 49 \end{cases} \times -3 = 49$$

$$\begin{cases} (x-3)^2 + (y+5)^2 + (y+5)^2 + (y+5)^2 + (y+5)^2 = 49 \end{cases} \times -3 = 49$$

$$\begin{cases} (x-3)^2 + (y+5)^2 +$$

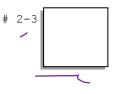
$$10x^2 = 39$$

$$x^2 = 3.9$$

$$(-\sqrt{3.9}, -3\sqrt{3.9}, -4)$$

$$x^{2} = 3.9$$

 $x = \pm \sqrt{3.9}$



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