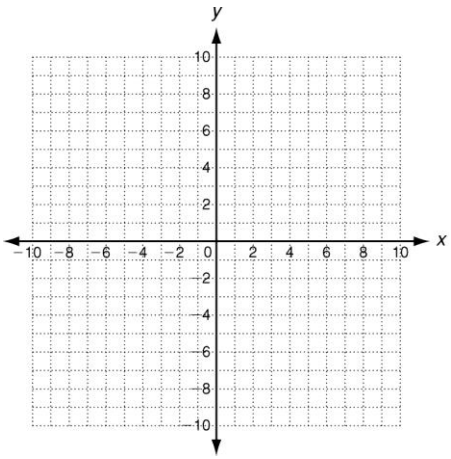
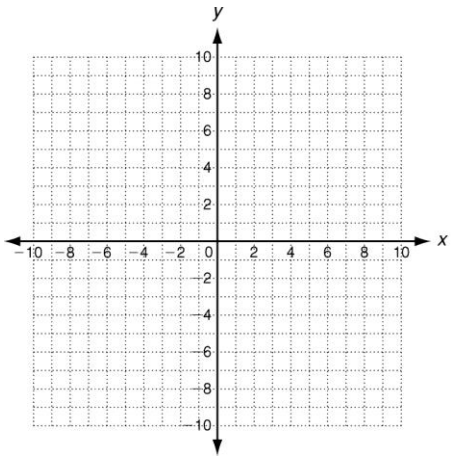
Point- Slope Form Homework

Graph from Standard Form

1. 5x – 2y = 10



2. $\frac{2}{3}x + 2y = 6$



Write an equation in point-slope form for the line with the given slope that contains the given point.

3. slope = 3; (–4, 2)

_____

4. slope = –1; (6, –1)

_____

5. slope = –4; (1, –3) is on the line

_____

6. slope = $\frac{1}{2}$ (–8, –5) is on the line

_____

7. (2, 1) and (0, –7) are on the line

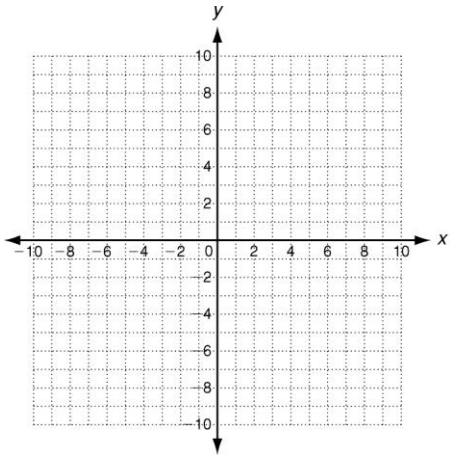
_____

8. (–6, –6) and (2, –2) are on the line

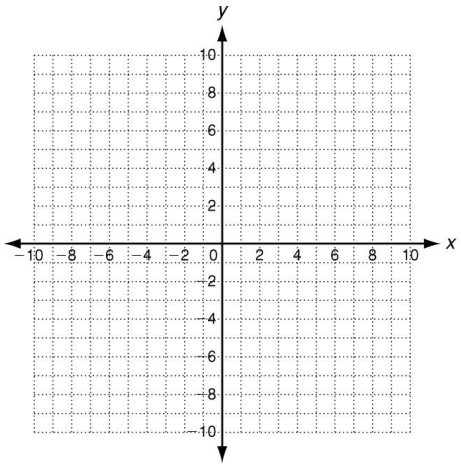
_____

Graph the line described by each equation in point-slope form.

9. $y + 2 = -\frac{2}{3}(x - 6)$



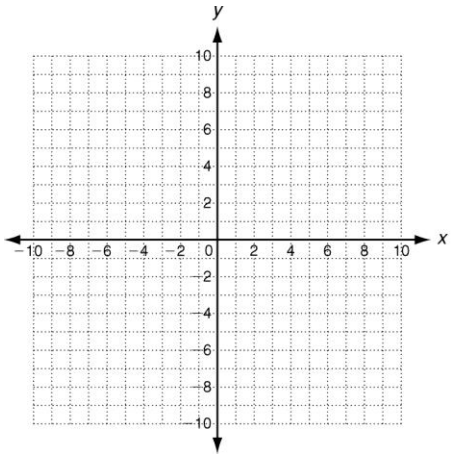
10. $y + 3 = -2(x - 4)$



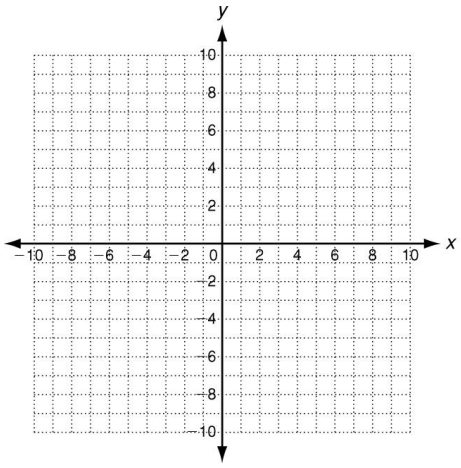
THERE IS A BACK!

Graph the line described by each equation in point-slope form.

11. $y + 1 = -5(x + 1)$



12. $y + 2 = -(x - 1)$



Review:

Solve for y (Get y alone):

a. $2x - 4y = 10$

b. $y + 1 = -5(x + 1)$ Distribute the -5 first !