4.7
Writing Equations in Point-Slope Form (Cont.)

Review

What are the four ways that we learned how to graph a line?

a)

b)

c)

d)

Review

Write an equation of the line that passes through (-2, 3) and (0,9) in slope intercept form .

Review

1) **What is the formula for slope?**

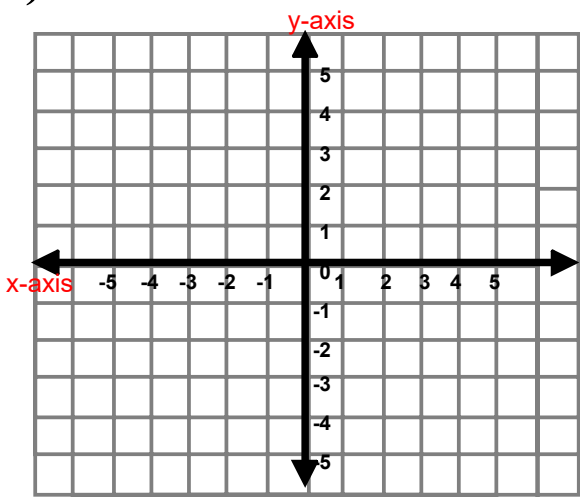
2) **What is the slope-intercept form of a line?**

3) **What is the point-slope form of a line?**

Review

4) Graph the equation

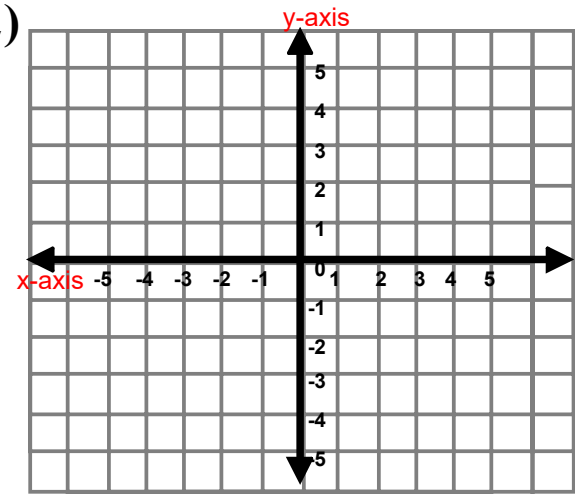
$$y+3=-3(x-2)$$



Review

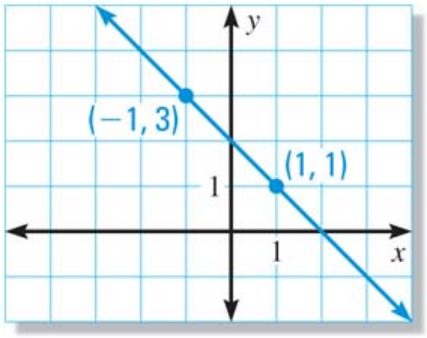
5) Graph the equation

$$y-4=\frac{5}{2}(x-2)$$



Review

7) Write an equation of the line the graph in point-slope form.



Writing an equation of a line in Slope-Intercept form between two points (not given the y-int.)

1) Write in slope-intercept form the equation of the line that passes through the points (4,8) and (-4,2).

a) Find the slope.

b) Plug in the slope and one of the given points, into the point-slope form. Afterwards, convert it to slope-intercept form.

2) **Write in slope-intercept form the equation of the line that passes through the points (-1, -1) and (1, 5).**

a) **Find the slope.**

b) **Plug in the slope and one of the given points, into the slope-intercept form of a line, and solve for b.**

Practice

3) **Write an equation of the line in slope-intercept form that passes through the points (-2, 3), (2, 7).**

Practice

4) **Write an equation of the line in slope-intercept form that passes through the points (1, -2), (-5,4).**