

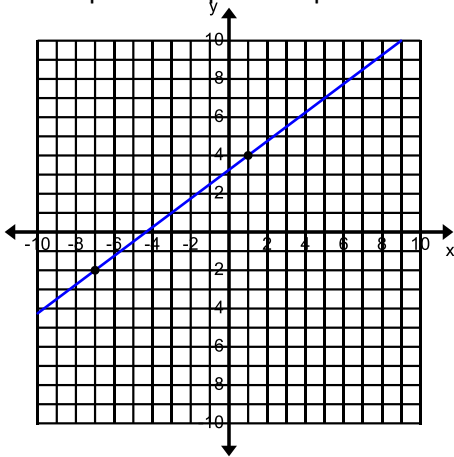
Sec 1H Unit 6 Day 7 - Linear Equations Review Assignment

Slope-Intercept Form: $y = mx + b$

Point-Slope Form: $y - y_1 = m(x - x_1)$

Write an equation in point-slope form for each of the following lines. Then simplify to slope-intercept form.

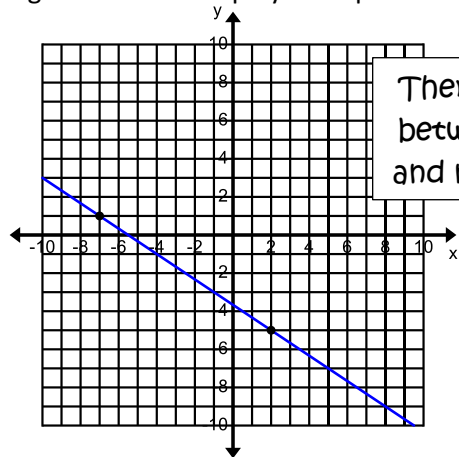
1.



Point-slope form:

Slope-Intercept form:

2.

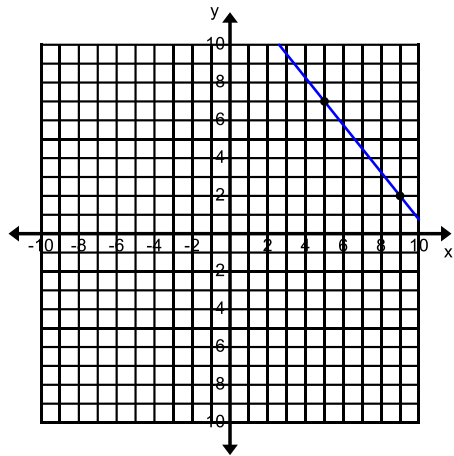


There is a difference between not knowing and not knowing YET.

Point-slope form:

Slope-Intercept form:

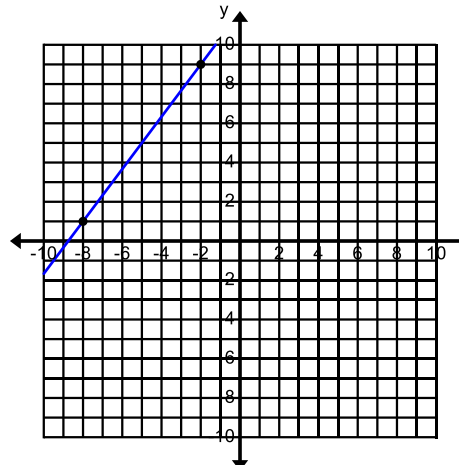
3.



Point-slope form:

Slope-Intercept form:

4.

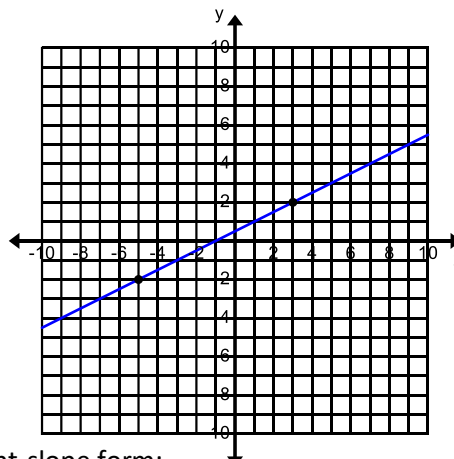


Point-slope form:

Slope-Intercept form:



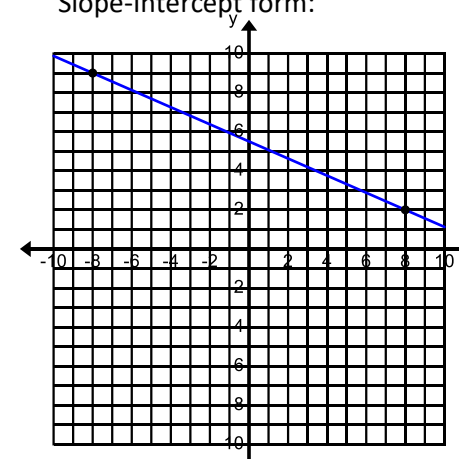
5.



Point-slope form:

Slope-Intercept form:

6.



Point-slope form:

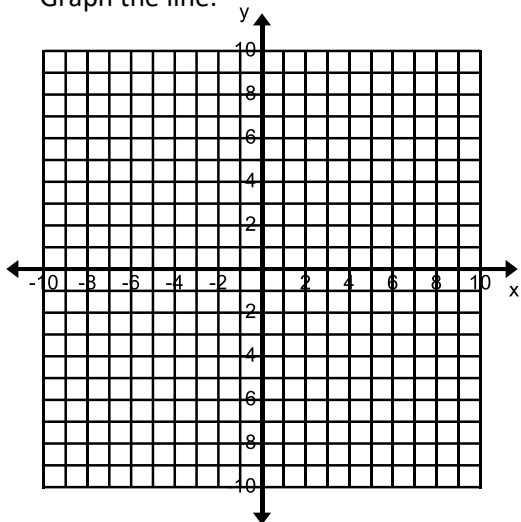
Slope-Intercept form:

7. $y = 5 + \frac{1}{4}(x - 2)$

Find the slope of the line:

Name a point on the line:

Graph the line:

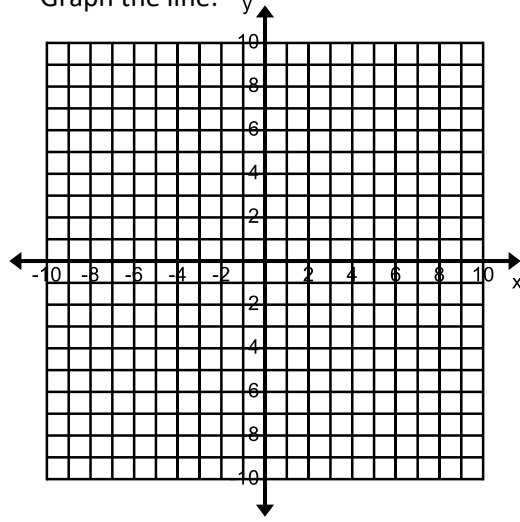


8. $y = -9 + 4(x + 7)$

Find the slope of the line:

Name a point on the line:

Graph the line:

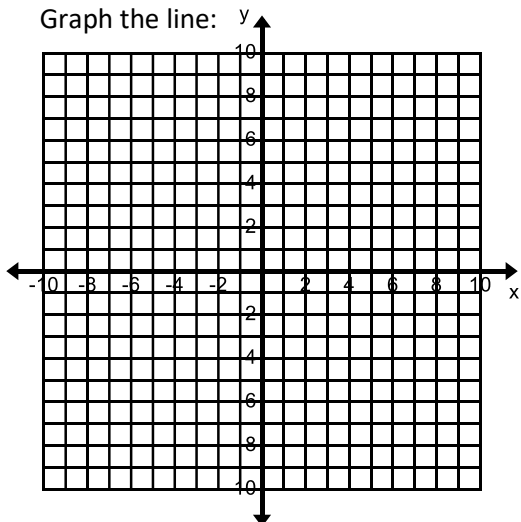


9. $y = 3 - 2(x - 5)$

Find the slope of the line:

Name a point on the line:

Graph the line:

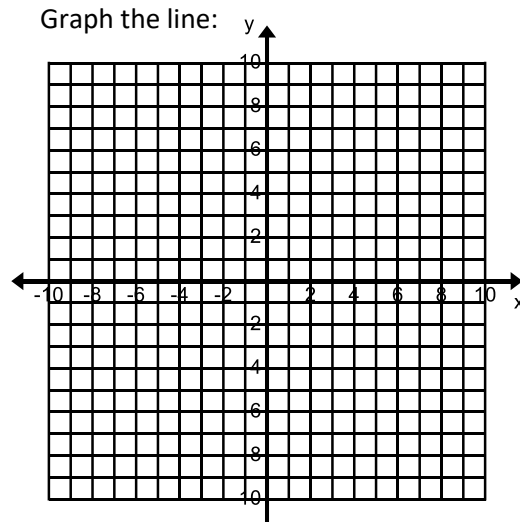


10. $y = 8 - (x + 5)$

Find the slope of the line:

Name a point on the line:

Graph the line:



11. Draw a line parallel to the line at the right, through the point $(1, -5)$.

12. Write the equation of the new line:

13. Draw a line perpendicular to the line at the right, through the point $(-6, 8)$.

14. Write the equation of the new line:

