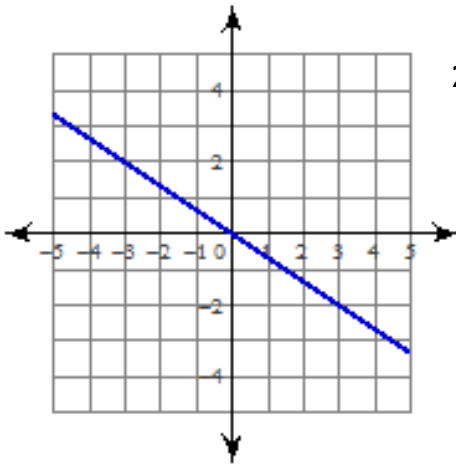# POINT SLOPE FORM CONTINUED

Write the equation of the line (in slope-intercept form and point-slope form) given the graphs below.
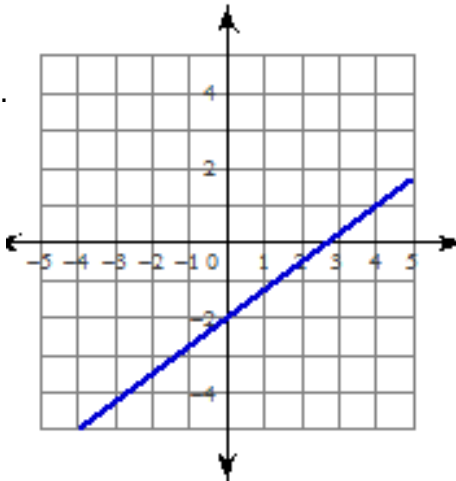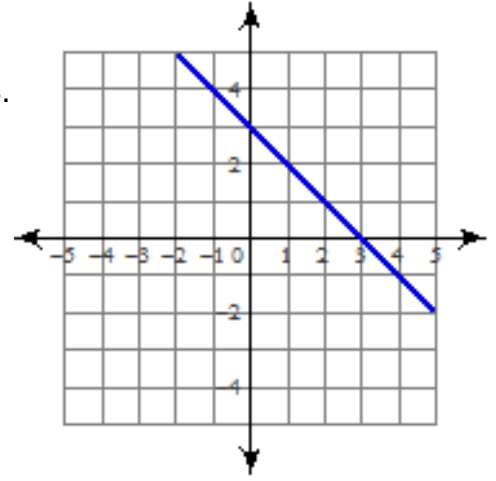
1.

2.

3.

Point-Slope Form:

Point-Slope Form:

Point-Slope Form:

Slope-Intercept Form:

Slope-Intercept Form:

Slope-Intercept Form:

4. Find the equation of the line in point-slope form AND slope-intercept form that has a slope of **-5** and passes through the point **(-2,4)**.

5. Find the equation of the line in point-slope form AND slope-intercept form that has a slope of **1** and passes through the point **(0,2)**.

6. Find the equation of the line in point-slope form AND slope-intercept form that passes through the points **(-6, 20)** and **(-4, 36)**
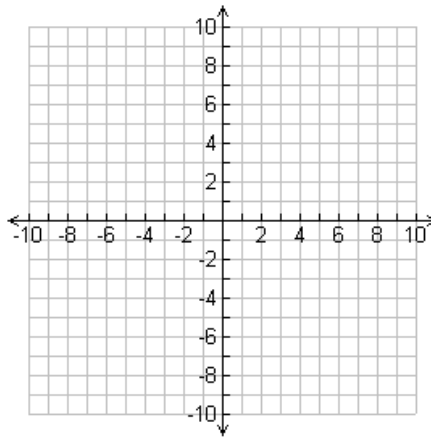
Graphing Practice

7. $y = -2x + 3$

   a. What form is the equation in?

   b. What is the slope?
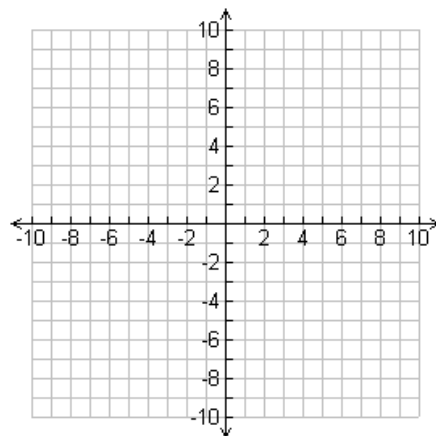
   c. What is a point we know?

8. 4x – 6y = 36

   a. What form is the equation in?

   b. What is the x-intercept?

   c. What is the y-intercept?

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

   a. What form is the equation in?

   b. What is the slope?

   c. What is a point we know?