

Graphing all Three Forms Homework

Slope-Intercept Form

$$y = mx + b$$

What is highlighted?

Standard Form

$$Ax + By = C$$

What is highlighted?

Point-Slope Form

$$y - y_1 = m(x - x_1)$$

What is highlighted?

Graph each equation. Use each coordinate plane for two graphs.

1) $y = \frac{1}{5}x + 8$

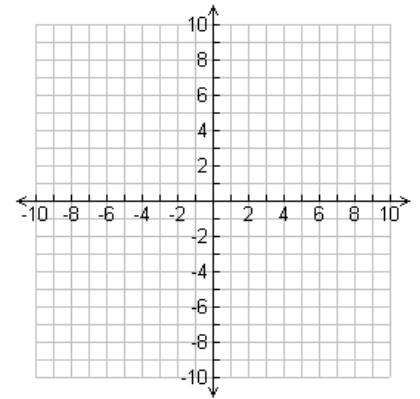
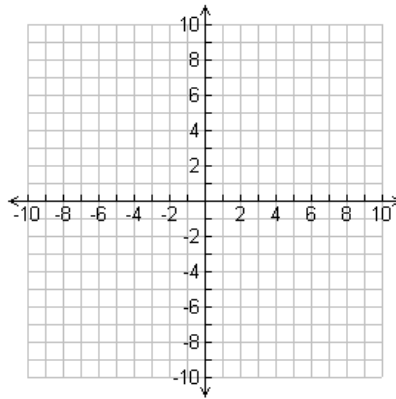
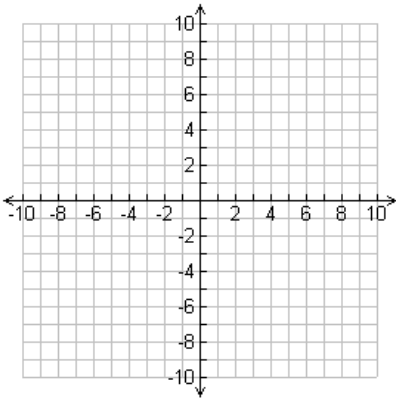
3) $y - 8 = -\frac{1}{4}(x - 2)$

5) $y + 7 = \frac{4}{3}(x - 3)$

2) $2x - 5y = 10$

4) $y = -\frac{1}{2}x$

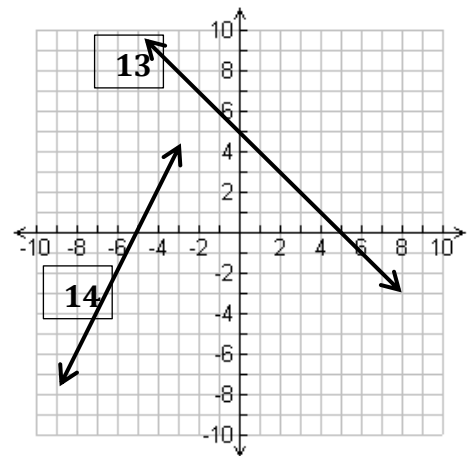
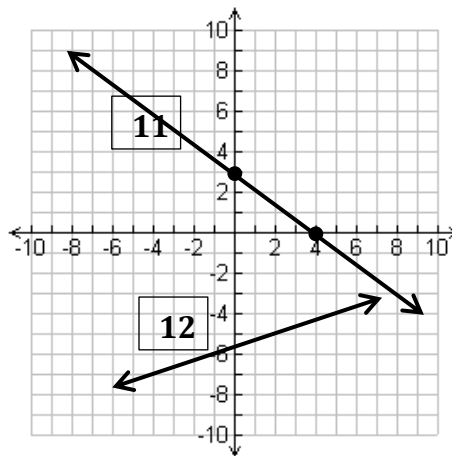
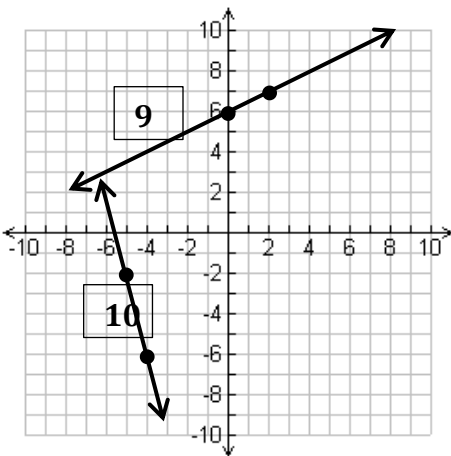
6) $y - 10 = 2(x + 5)$



7) Which form of equation do you like the best? Why?

8) Which form do you like the least? Why?

Write the equation of the line in slope-intercept form OR point-slope form.



9)

11)

13)

10)

12)

14)