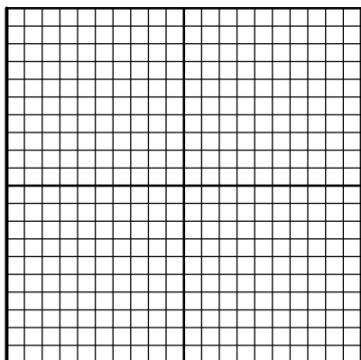


Graphing in Point-Slope Form

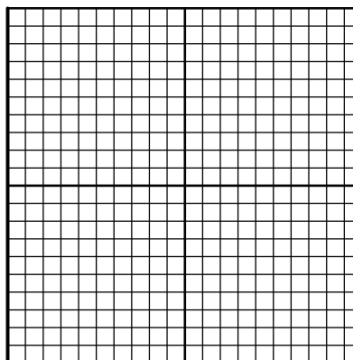
- The **point slope form** of a line is of the form $y - y_1 = m(x - x_1)$.
- m is the slope and (x_1, y_1) is a point on the line.

Graph the following lines in the given **point slope form**. Start by plotting the point the line passes through and then use the slope to find your next point. Use a ruler and connect your two points.

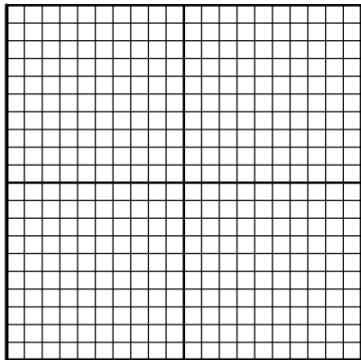
1. $y - 3 = -2(x - 4)$



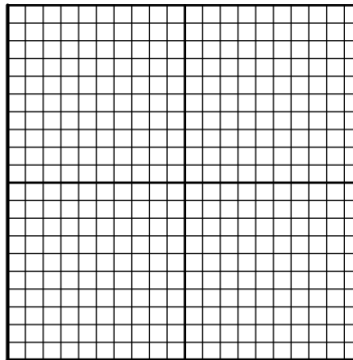
4. $y - 2 = \frac{2}{3}(x + 6)$



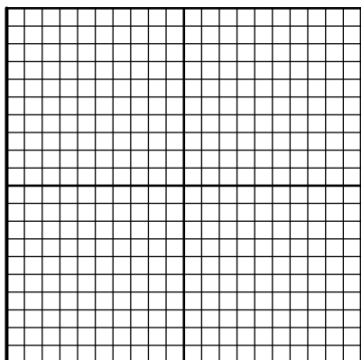
2. $y + 4 = 4(x + 2)$



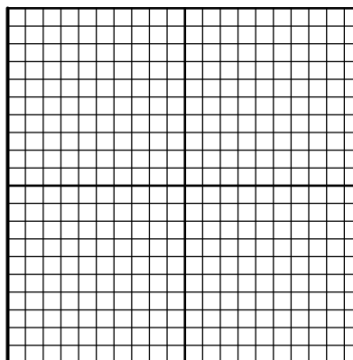
5. $y - 5 = 3(x - 0)$



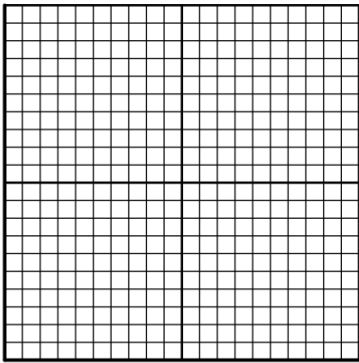
3. $y + 2 = \frac{1}{3}(x + 1)$



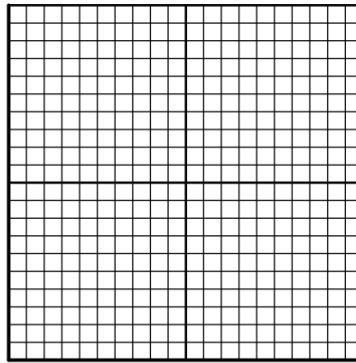
6. $y + 1 = -\frac{1}{2}(x - 3)$



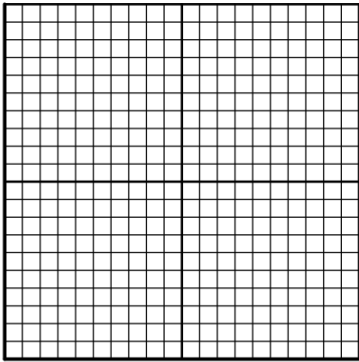
7. $y = 3(x + 5)$



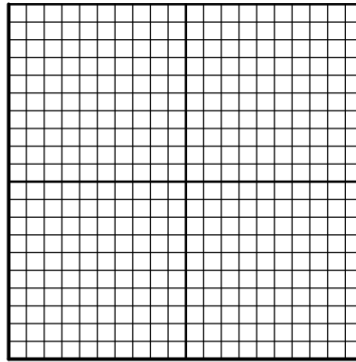
10. $y - 1 = \frac{3}{2}(x + 5)$



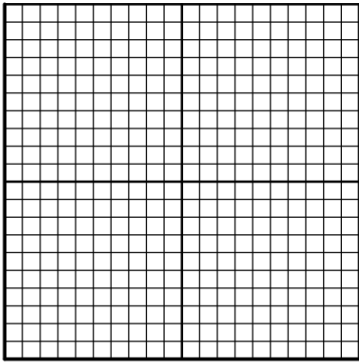
8. $y - 3 = -3(x - 3)$



11. $y + 6 = -3(x - 0)$



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



12. $y + 4 = -\frac{1}{4}(x - 1)$

