

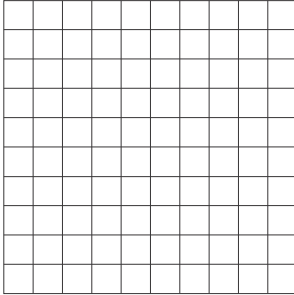


2-2 Additional Practice

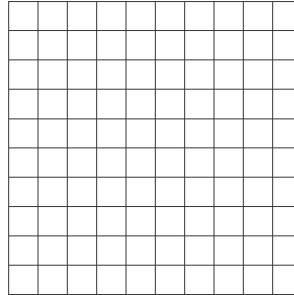
Point-Slope Form

Graph the line that represents each linear equation.

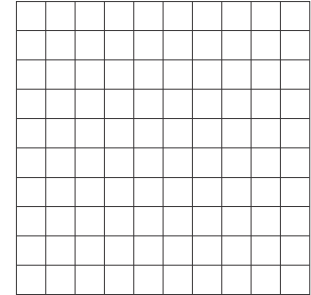
1. $y - 2 = 2(x + 3)$



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



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



Write the equation in point-slope form of the line that passes through the given point with the given slope.

4. $(2, 1); m = 3$

5. $(-3, -5); m = -2$

6. $(4, -11); m = \frac{3}{4}$

Write an equation in point-slope form of the line that passes through the given points.

7. $(4, 0)$ and $(-2, 1)$

8. $(-3, -2)$ and $(5, 3)$

9. $(-5, 1)$ and $(3, 4)$

10. Explain why it does not matter which point you choose when writing the equation of the line in point-slope form, given two points.

11. Members of the student council are conducting a fundraiser by selling school calendars. After selling 80 calendars, they had a loss of \$360. After selling 200 calendars, they had a profit of \$600. Write an equation that describes the relation between y , the profit or loss, and x , the number of calendars sold. How much profit did they make from selling each calendar? How much would they have lost if they had sold no calendars?