Name: _____   Period: _____
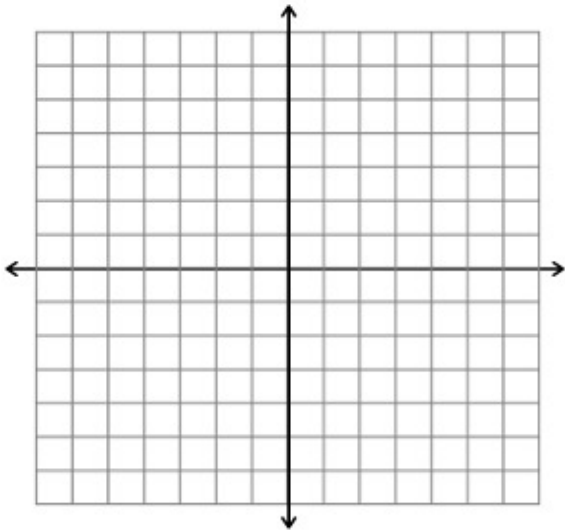Unit 2 Lesson 5: Writing equations of lines

Do Now: Find the slope of a line that passes through the points (2, 2) and (12, 10).
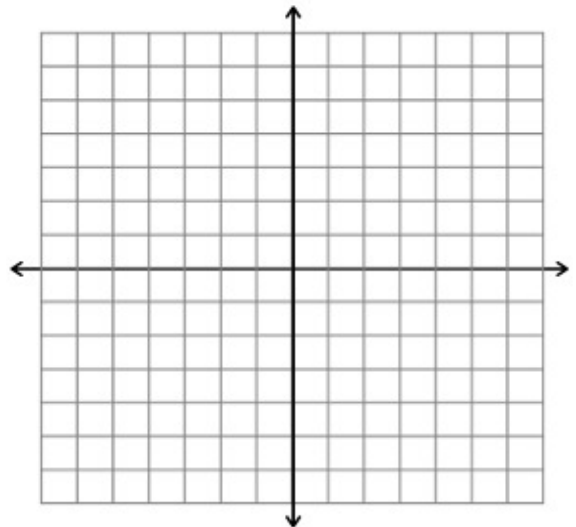
Slope-intercept Form

m= 2/3   b= 1
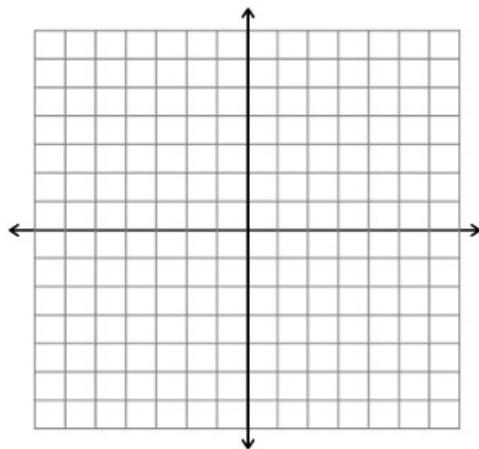
Point Slope Form
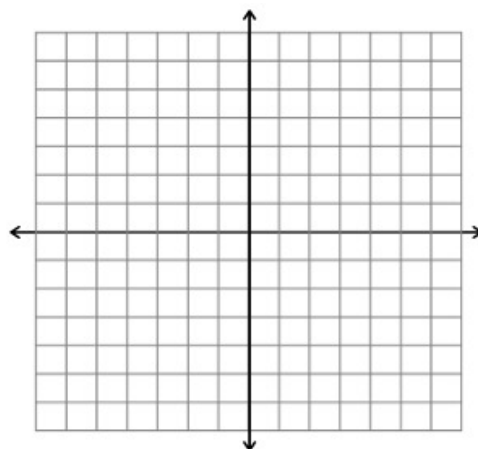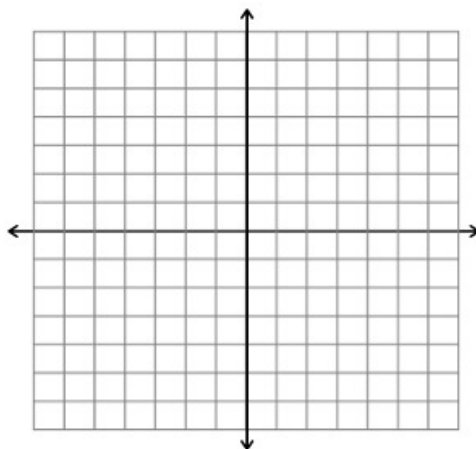
m= -2   point on the line: (-3, 3)

1. Graph and write the equation of a line that passes through the points (5, 2) and has a slope of 1.

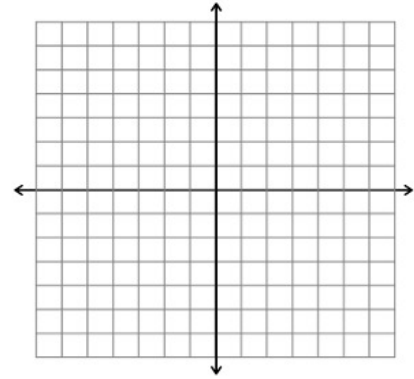2. Graph and write the equation of a line with a slope of 2 that passes through the point (3, 3).

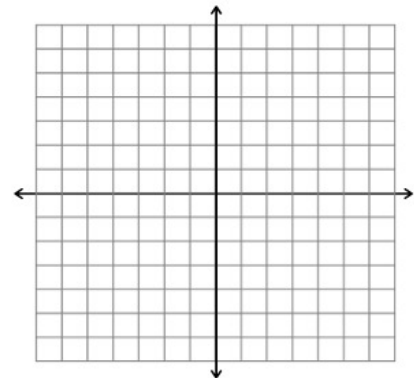3. Graph and write the equation of a line that passes through the points (1,1) and (4, 2).
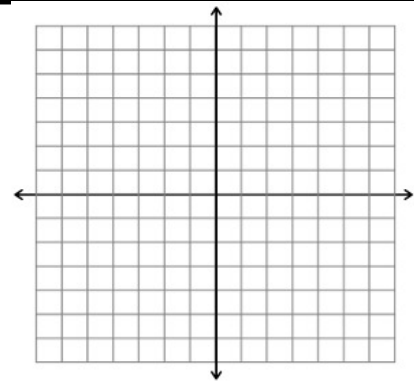
What is different about this question?

4. Graph and write the equation of a line with a slope of -4 that passes through the point (1,4)

5. Graph and write the equation of a line with a slope of 4 that passes through the origin.

6. Graph and write the equation of the vertical and horizontal line that passes through the point (2, 4).

7. Graph and write the equation of a line that passes through the points (1, 1) and (3, 3).