



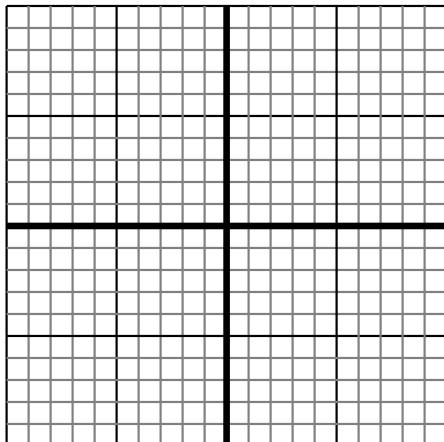
## Drawing Line with Different Rate of Change

Name: \_\_\_\_\_

Sketch your line then answer with your slope.

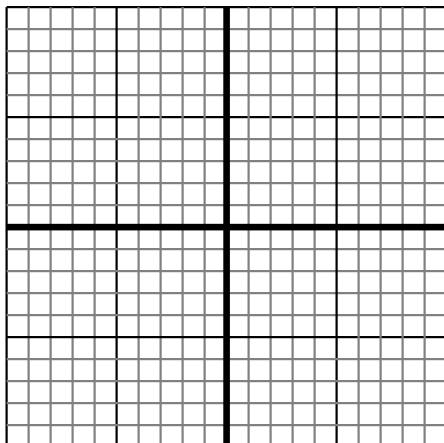
1) Sketch a line with a Y intercept of -2 and a smaller rate of change than:

$$Y = \frac{3}{4} - 2$$



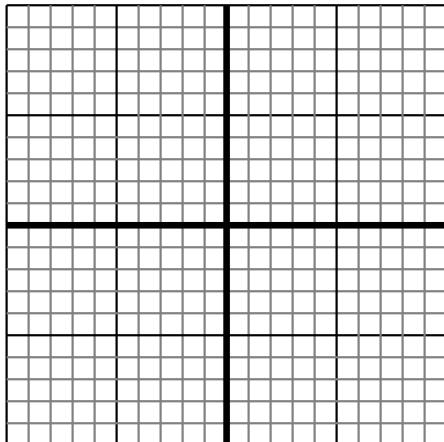
3) Sketch a line with a Y intercept of -4 and a greater rate of change than:

$$Y = \frac{6}{4} - 4$$



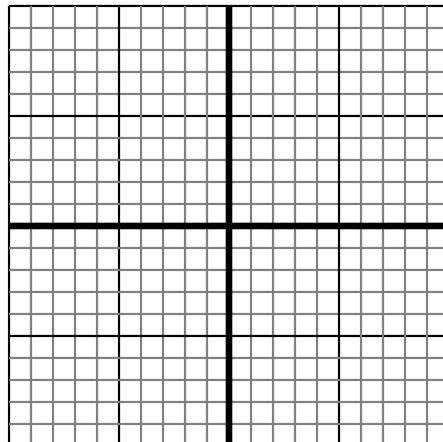
5) Sketch a line with a Y intercept of -4 and a smaller rate of change than:

$$Y = \frac{-2}{-1} - 4$$



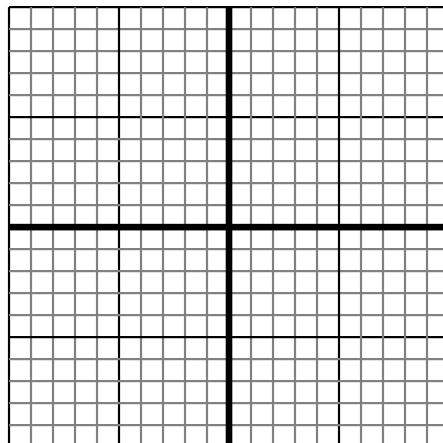
2) Sketch a line with a Y intercept of 1 and a greater rate of change than:

$$Y = \frac{-9}{3} + 1$$



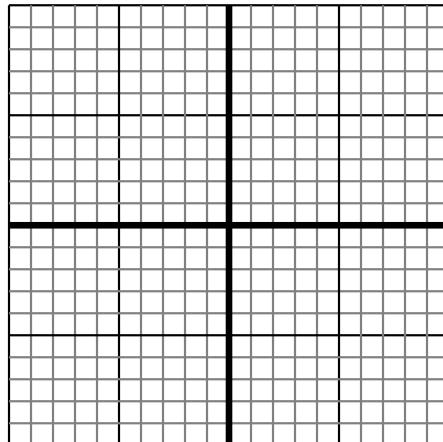
4) Sketch a line with a Y intercept of 2 and a smaller rate of change than:

$$Y = \frac{3}{7} + 2$$



6) Sketch a line with a Y intercept of 4 and a smaller rate of change than:

$$Y = \frac{-3}{4} + 4$$

**Answers**

1. \_\_\_\_\_

2. \_\_\_\_\_

3. \_\_\_\_\_

4. \_\_\_\_\_

5. \_\_\_\_\_

6. \_\_\_\_\_



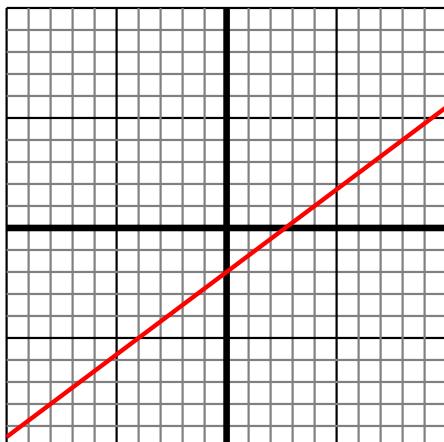
## Drawing Line with Different Rate of Change

Name: **Answer Key**

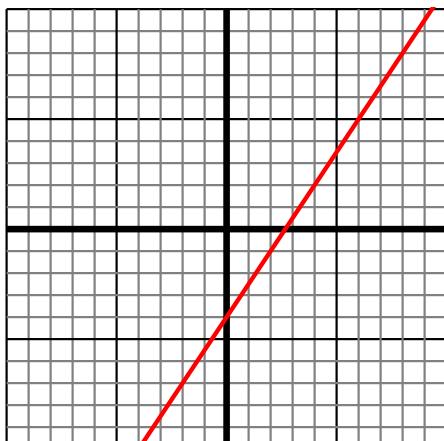
Sketch your line then answer with your slope.

1) Sketch a line with a Y intercept of -2 and a smaller rate of change than:

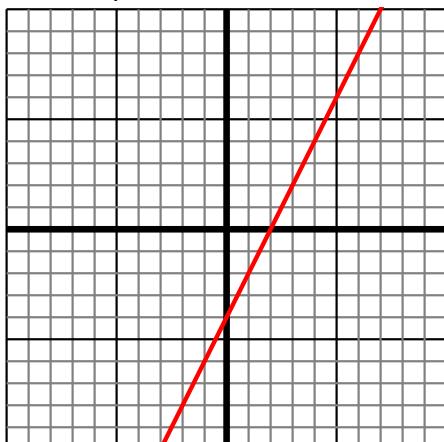
$$Y = \frac{3}{4}x - 2$$

3) Sketch a line with a Y intercept of -4 and a greater rate of change than:

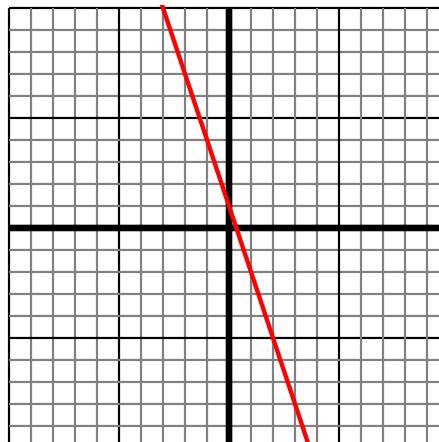
$$Y = \frac{6}{4}x - 4$$

5) Sketch a line with a Y intercept of -4 and a smaller rate of change than:

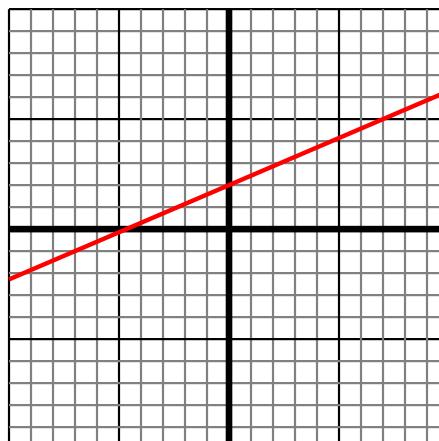
$$Y = \frac{-2}{-1}x - 4$$

2) Sketch a line with a Y intercept of 1 and a greater rate of change than:

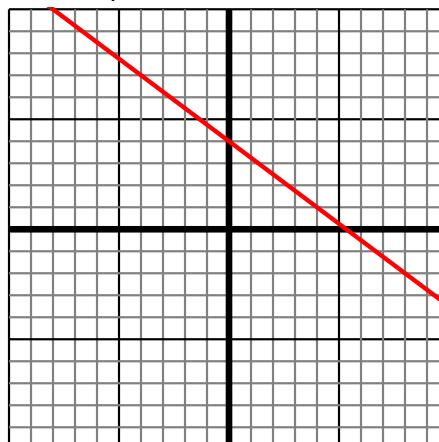
$$Y = \frac{-9}{3}x + 1$$

4) Sketch a line with a Y intercept of 2 and a smaller rate of change than:

$$Y = \frac{3}{7}x + 2$$

6) Sketch a line with a Y intercept of 4 and a smaller rate of change than:

$$Y = \frac{-3}{4}x + 4$$

**Answers**

1.  $< \left| \frac{3}{4} \right|$

2.  $> \left| \frac{-9}{3} \right|$

3.  $> \left| \frac{6}{4} \right|$

4.  $< \left| \frac{3}{7} \right|$

5.  $< \left| \frac{-2}{-1} \right|$

6.  $< \left| \frac{-3}{4} \right|$