



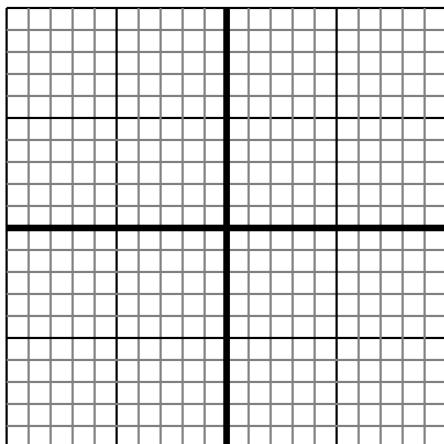
Drawing Line with Different Rate of Change

Name: _____

Sketch your line then answer with your slope.

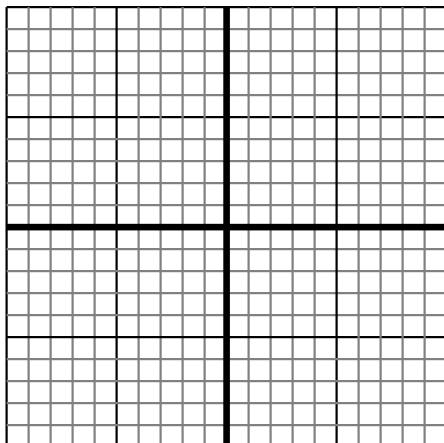
1) Sketch a line with a Y intercept of 5 and a smaller rate of change than:

$$Y = \frac{5}{-9}x + 5$$



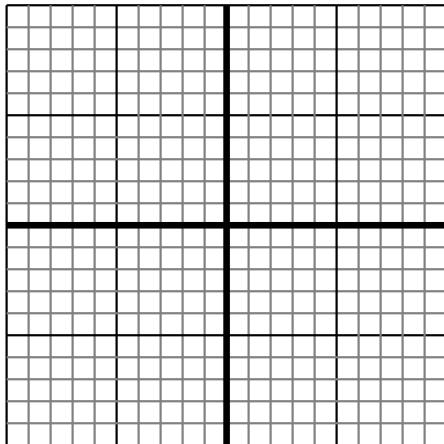
3) Sketch a line with a Y intercept of -3 and a smaller rate of change than:

$$Y = \frac{-8}{2}x - 3$$



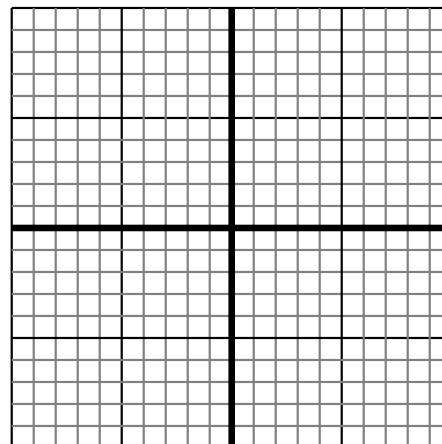
5) Sketch a line with a Y intercept of -8 and a greater rate of change than:

$$Y = \frac{5}{2}x - 8$$



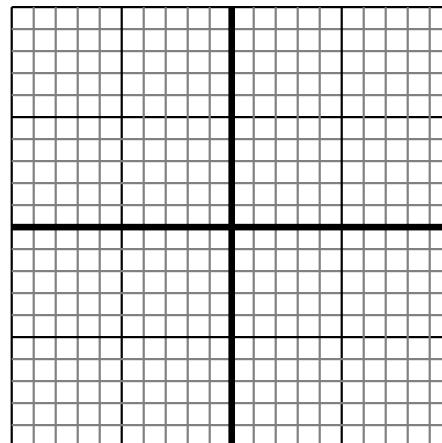
2) Sketch a line with a Y intercept of -3 and a smaller rate of change than:

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



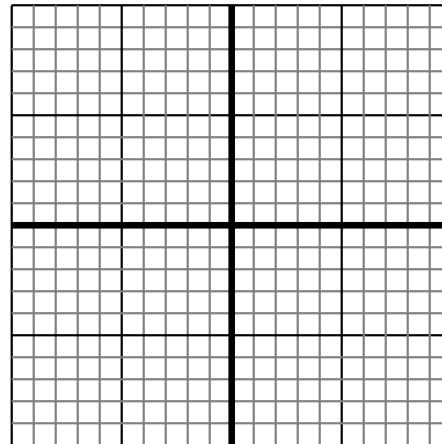
4) Sketch a line with a Y intercept of 5 and a smaller rate of change than:

$$Y = \frac{-9}{8}x + 5$$



6) Sketch a line with a Y intercept of 9 and a smaller rate of change than:

$$Y = \frac{2}{5}x + 9$$



Answers

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____



Drawing Line with Different Rate of Change

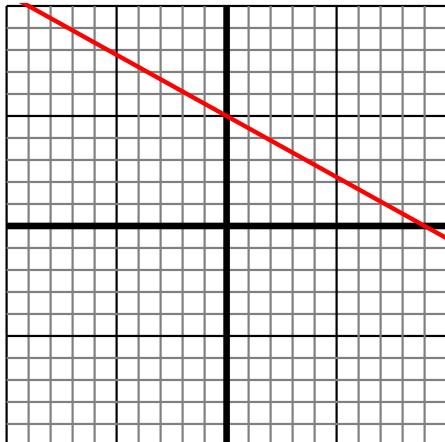
Name: _____

Answer Key

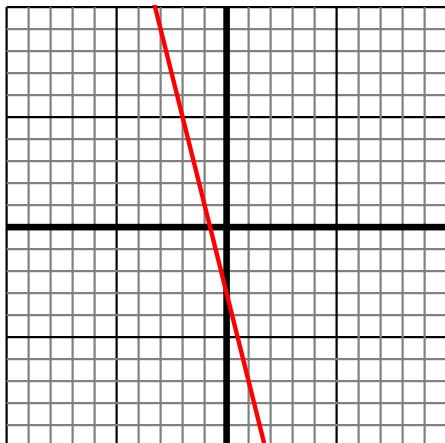
Sketch your line then answer with your slope.

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

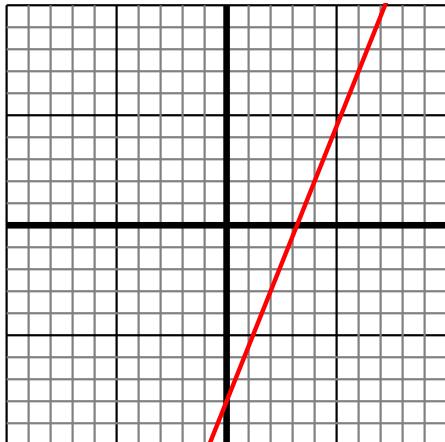
$$Y = \frac{5}{-9}x + 5$$

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

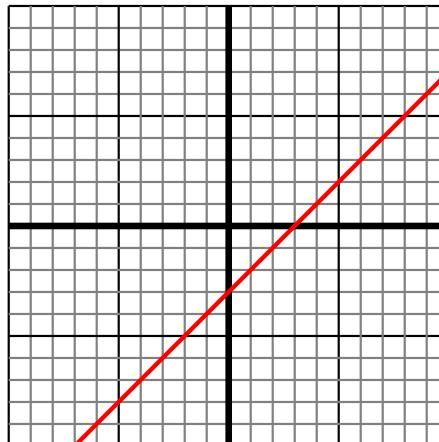
$$Y = \frac{-8}{2}x - 3$$

5) Sketch a line with a Y intercept of -8 and a greater rate of change than:

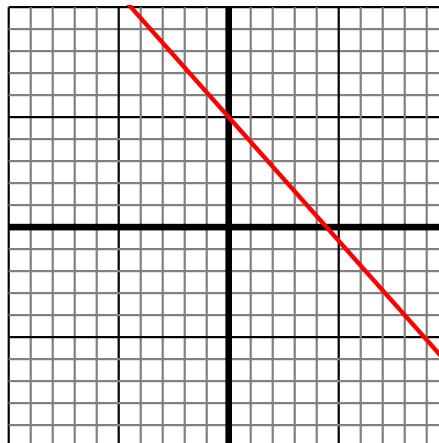
$$Y = \frac{5}{2}x - 8$$

2) Sketch a line with a Y intercept of -3 and a smaller rate of change than:

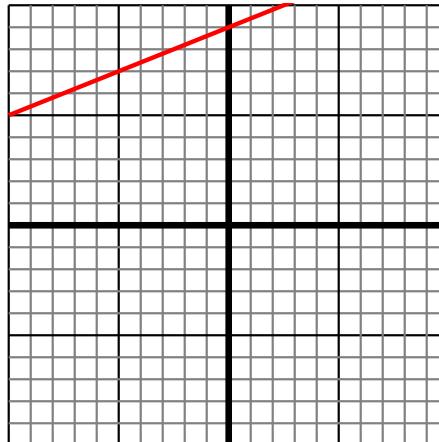
$$Y = \frac{-9}{-9}x - 3$$

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

$$Y = \frac{-9}{8}x + 5$$

6) Sketch a line with a Y intercept of 9 and a smaller rate of change than:

$$Y = \frac{2}{5}x + 9$$

**Answers**

1. $< |\frac{5}{-9}|$

2. $< |\frac{-9}{-9}|$

3. $< |\frac{-8}{2}|$

4. $< |\frac{-9}{8}|$

5. $> |\frac{5}{2}|$

6. $< |\frac{2}{5}|$