



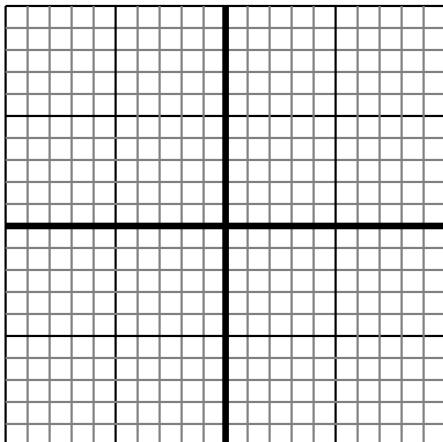
## Drawing Line with Different Rate of Change

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

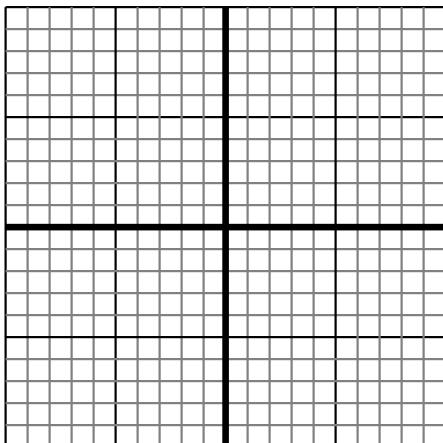
Sketch your line then answer with your slope.

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

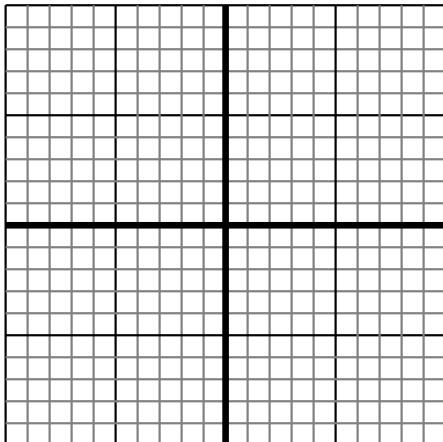
$$Y = -\frac{3}{7} - 1$$

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

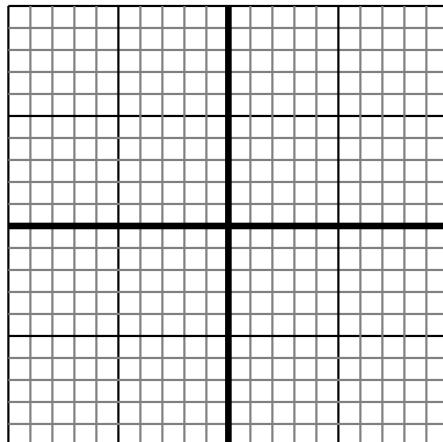
$$Y = \frac{5}{7} - 5$$

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

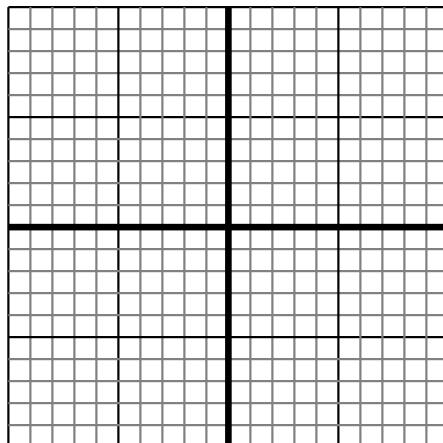
$$Y = \frac{7}{5} + 8$$

2) Sketch a line with a Y intercept of 0 and a greater rate of change than:

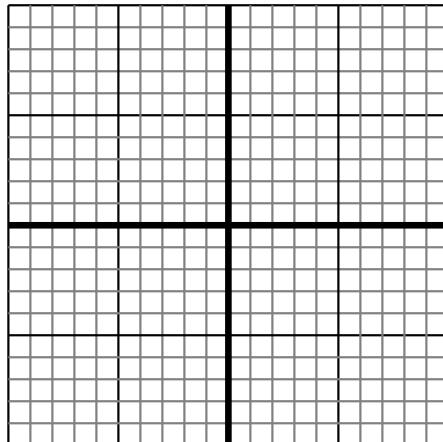
$$Y = \frac{2}{7} + 0$$

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

$$Y = -\frac{8}{4} - 6$$

6) Sketch a line with a Y intercept of -10 and a greater rate of change than:

$$Y = \frac{8}{-1} - 10$$



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

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

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

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

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

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



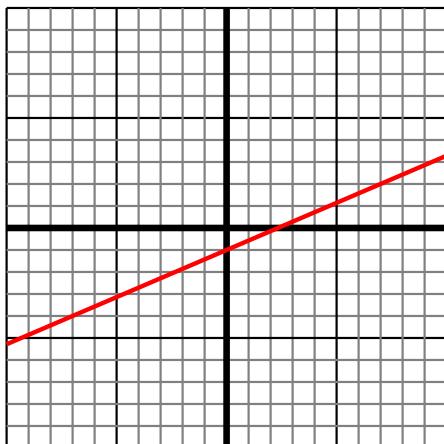
## Drawing Line with Different Rate of Change

Name: **Answer Key**

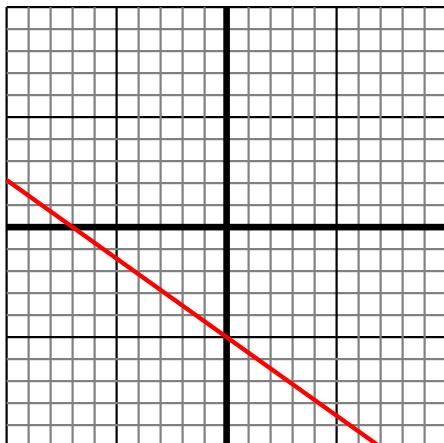
Sketch your line then answer with your slope.

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

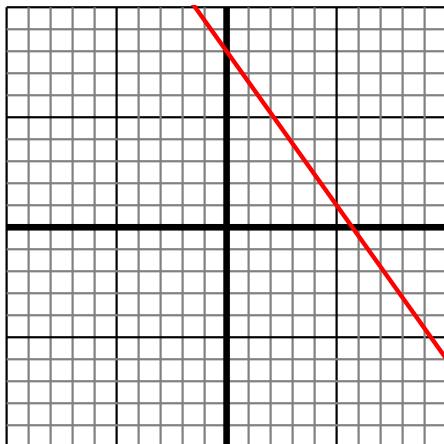
$$Y = -\frac{3}{7} - 1$$

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

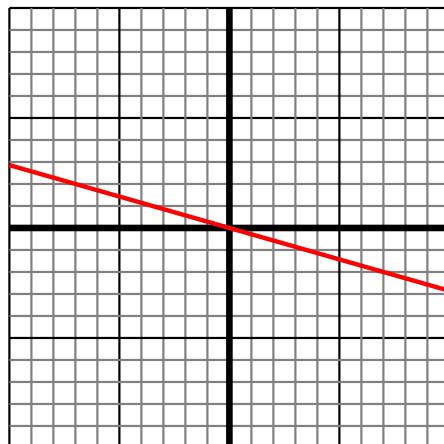
$$Y = -\frac{5}{7} - 5$$

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

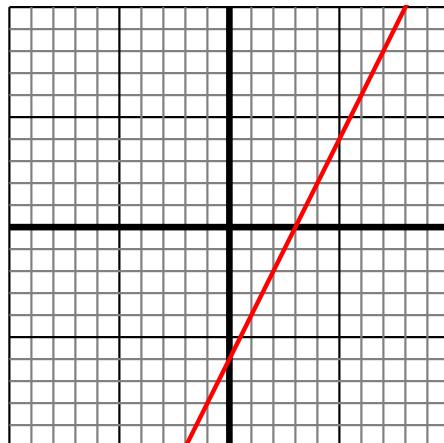
$$Y = -\frac{7}{5} + 8$$

2) Sketch a line with a Y intercept of 0 and a greater rate of change than:

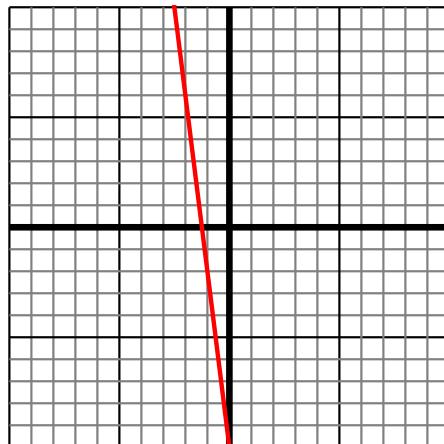
$$Y = -\frac{2}{7} + 0$$

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

$$Y = -\frac{8}{4} - 6$$

6) Sketch a line with a Y intercept of -10 and a greater rate of change than:

$$Y = -\frac{8}{1} - 10$$

**Answers**

1.  $< |\frac{-3}{-7}|$

2.  $> |\frac{-2}{7}|$

3.  $> |\frac{-5}{7}|$

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

5.  $> |\frac{-7}{5}|$

6.  $> |\frac{8}{-1}|$