Drawing Line with Different Rate of Change   Name: _____
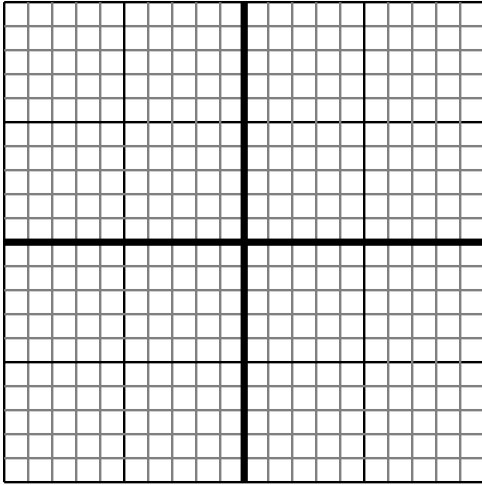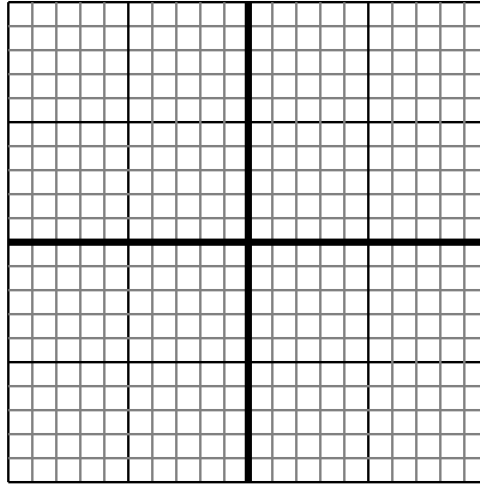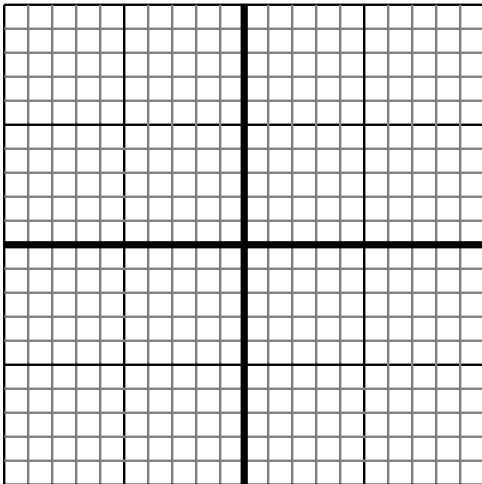
Sketch your line then answer with your slope.

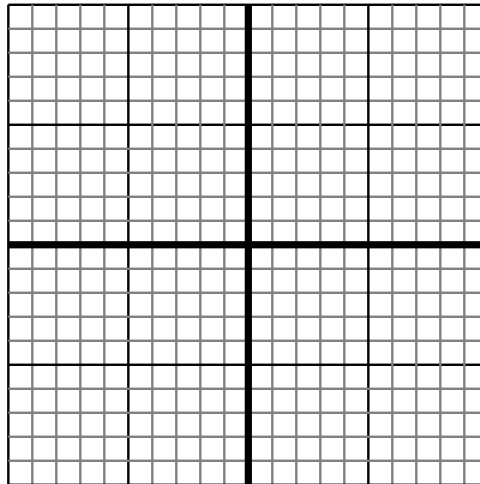**1)** Sketch a line with a Y intercept of -2 and a smaller rate of change than: $Y = \frac{-3}{7} - 2$

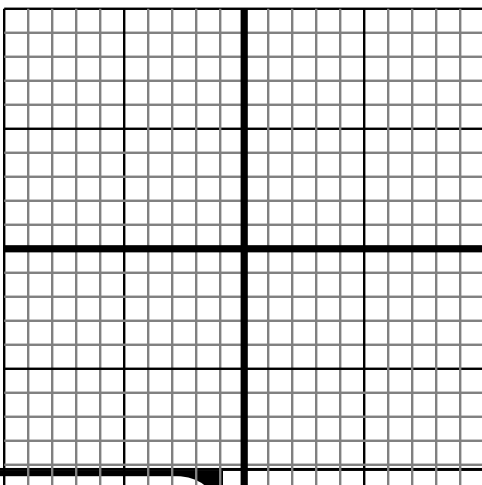**2)** Sketch a line with a Y intercept of -8 and a smaller rate of change than: $Y = \frac{-9}{5} - 8$

3) Sketch a line with a Y intercept of 5 and a smaller rate of change than: $Y = \frac{-6}{7} + 5$
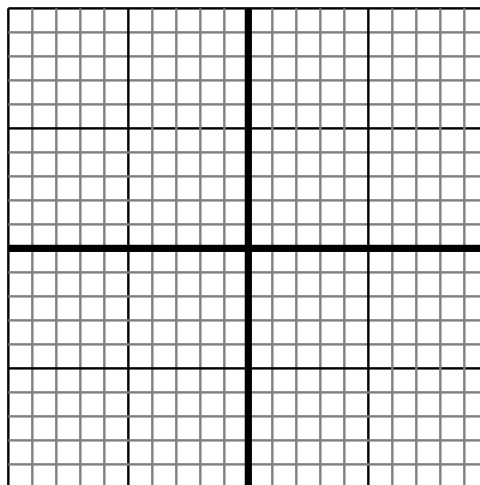
4) Sketch a line with a Y intercept of 3 and a greater rate of change than: $Y = \frac{-6}{-6} + 3$

5) Sketch a line with a Y intercept of 10 and a greater rate of change than: $Y = \frac{8}{-2} + 10$

6) Sketch a line with a Y intercept of 4 and a smaller rate of change than: $Y = \frac{-2}{-4} + 4$
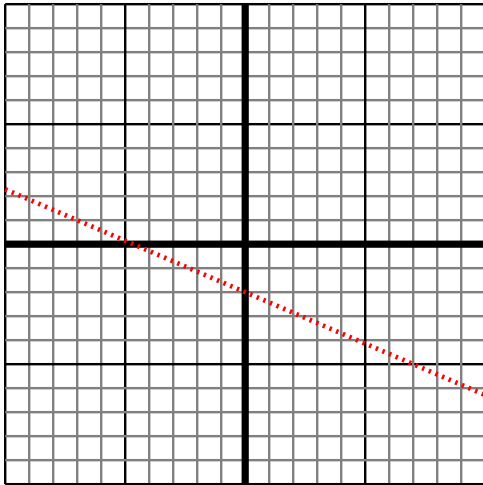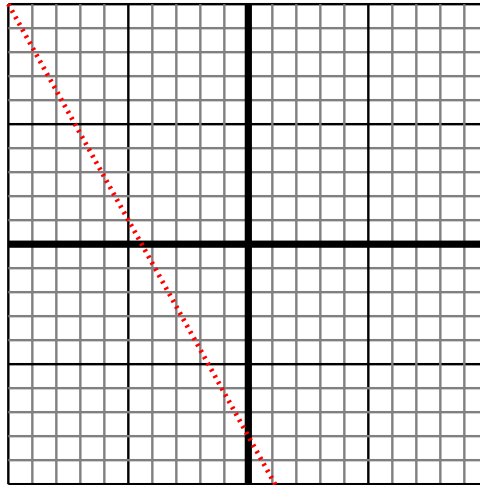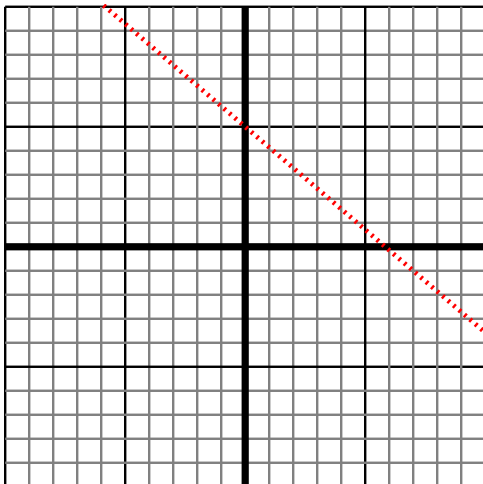
Sketch your line then answer with your slope.

1) Sketch a line with a Y intercept of -2 and a smaller rate of change than: Y = $\frac{-3}{7}$ - 2
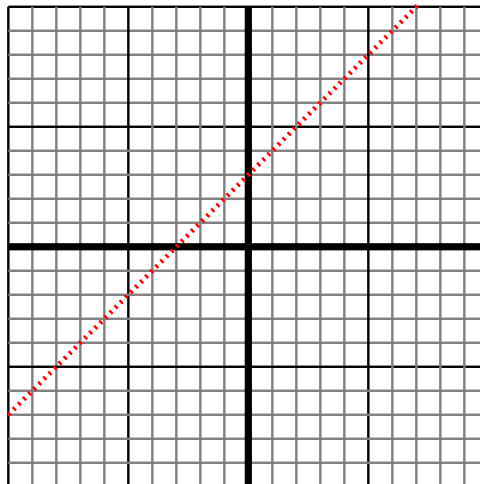
2) Sketch a line with a Y intercept of -8 and a smaller rate of change than: Y = $\frac{-9}{5}$ - 8

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

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

3. $< |\frac{-6}{7}|$

4. $> |\frac{-6}{-6}|$
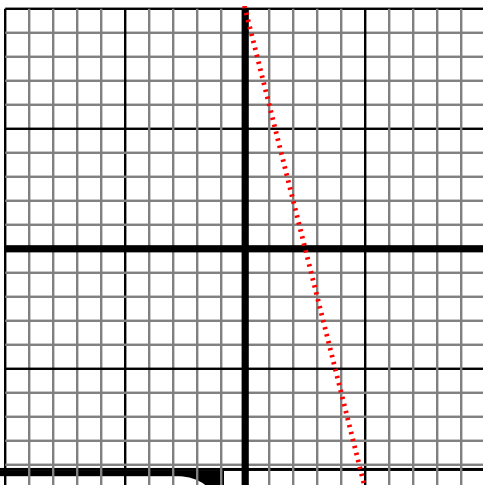
5. $> |\frac{8}{-2}|$

6. $< |\frac{-2}{-4}|$

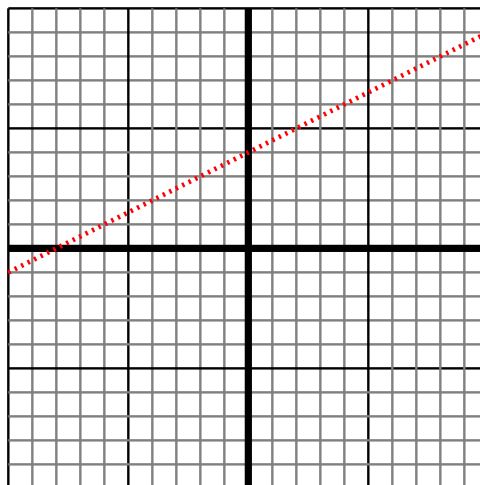**3)** Sketch a line with a Y intercept of 5 and a smaller rate of change than: Y = $\frac{-6}{7}$ + 5

4) Sketch a line with a Y intercept of 3 and a greater rate of change than: Y = $\frac{-6}{-6}$ + 3

5) Sketch a line with a Y intercept of 10 and a greater rate of change than: Y = $\frac{8}{-2}$ + 10

6) Sketch a line with a Y intercept of 4 and a smaller rate of change than: Y = $\frac{-2}{-4}$ + 4

Math

1-6 | 83 | 67 | 50 | 33 | 17 | 0