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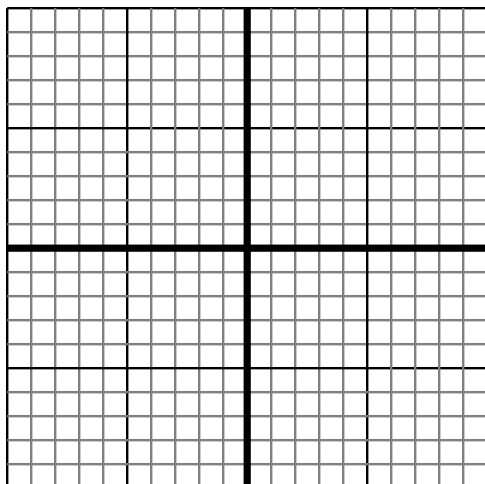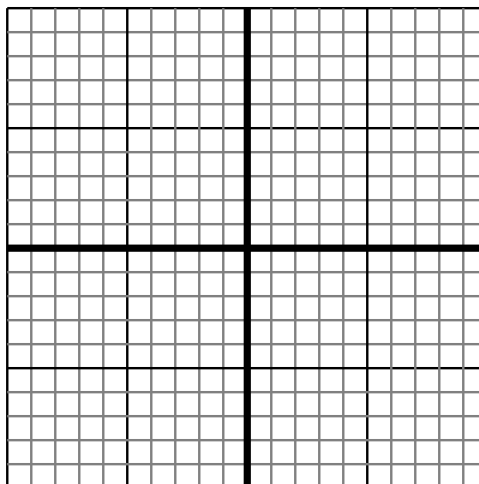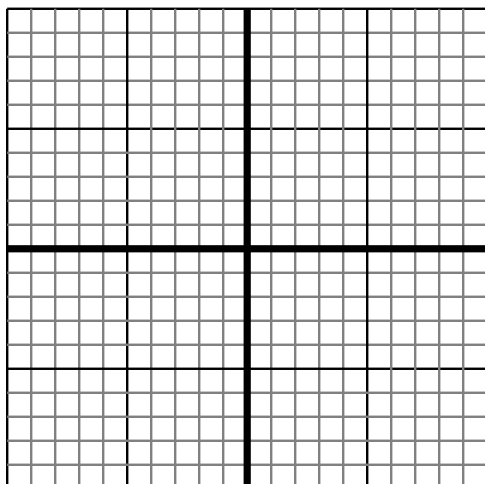
Sketch your line then answer with your slope.

1) Sketch a line with a Y intercept of 6 and a smaller rate of change than: $Y = \frac{-6}{-1} + 6$
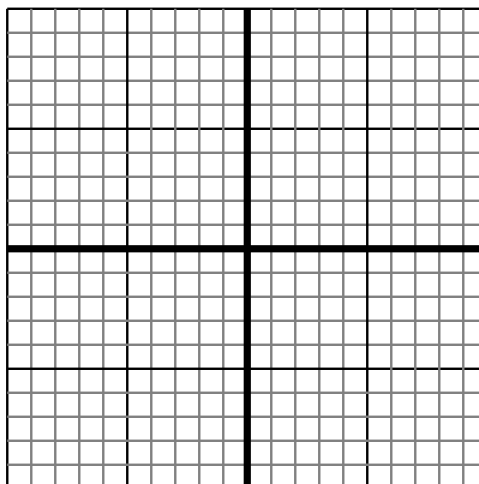
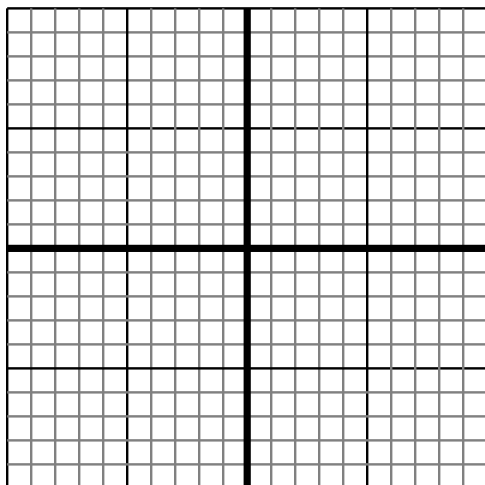**2)** Sketch a line with a Y intercept of 9 and a greater rate of change than: $Y = \frac{-1}{9} + 9$

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

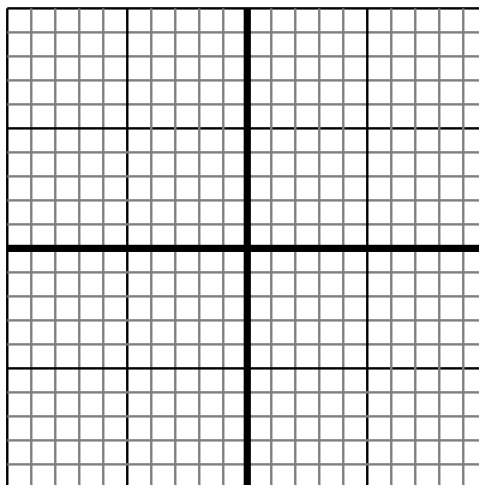**3)** Sketch a line with a Y intercept of -9 and a greater rate of change than: $Y = \frac{-4}{6} - 9$

4) Sketch a line with a Y intercept of -3 and a greater rate of change than: $Y = \frac{-4}{-2} - 3$

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

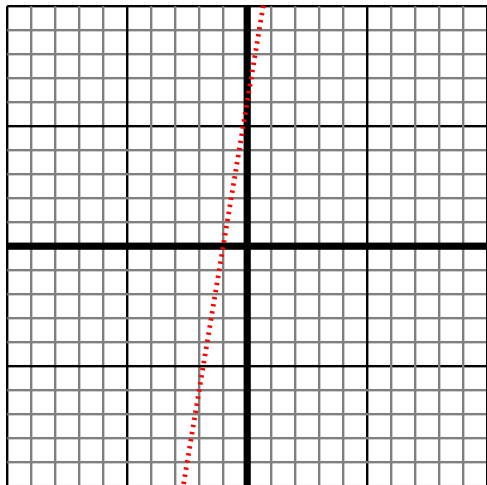**6)** Sketch a line with a Y intercept of 0 and a greater rate of change than: $Y = \frac{-1}{8} + 0$
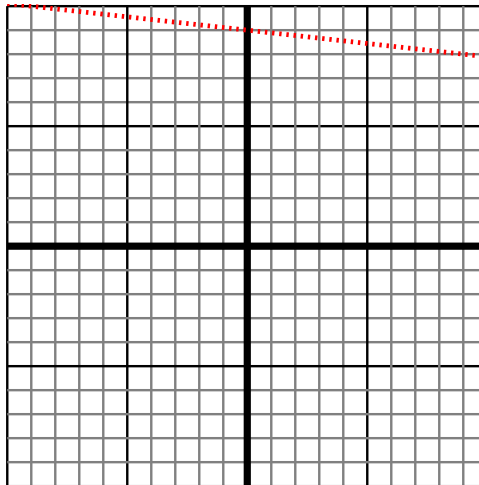
1-6 | 83 | 67 | 50 | 33 | 17 | 0
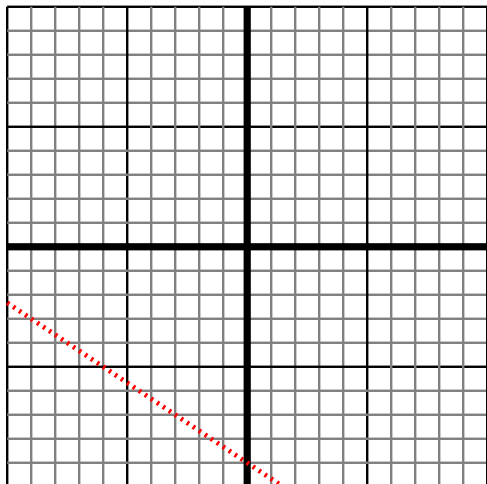
Sketch your line then answer with your slope.

1) Sketch a line with a Y intercept of 6 and a smaller rate of change than: $Y = \frac{-6}{-1} + 6$
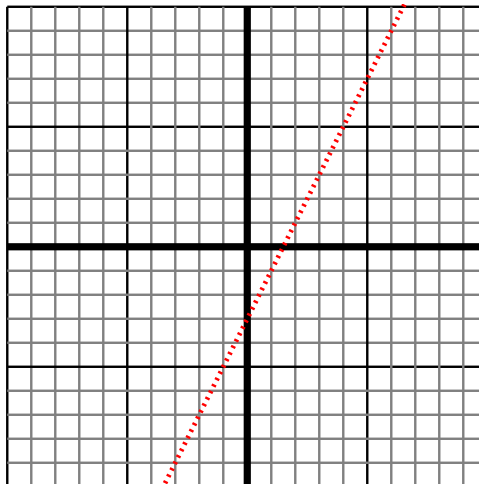
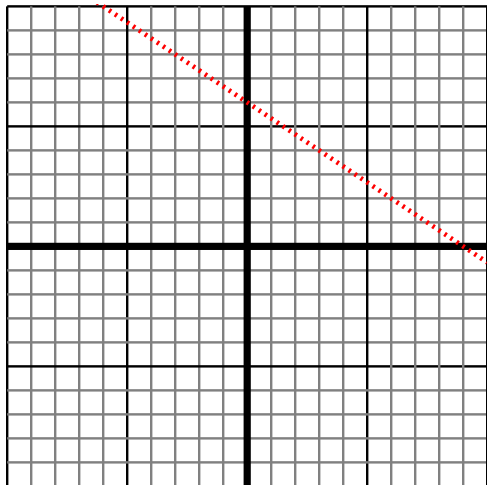**2)** Sketch a line with a Y intercept of 9 and a greater rate of change than: $Y = \frac{-1}{9} + 9$

1. $< \left| \frac{-6}{-1} \right|$

2. $> \left| \frac{-1}{9} \right|$

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

4. $> \left| \frac{-4}{-2} \right|$

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

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

3) Sketch a line with a Y intercept of -9 and a greater rate of change than: $Y = \frac{-4}{6} - 9$

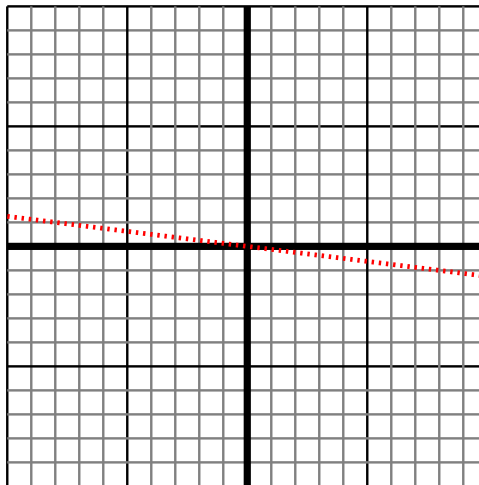**4)** Sketch a line with a Y intercept of -3 and a greater rate of change than: $Y = \frac{-4}{-2} - 3$

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

6) Sketch a line with a Y intercept of 0 and a greater rate of change than: $Y = \frac{-1}{8} + 0$