Drawing Line with Different Rate of Change
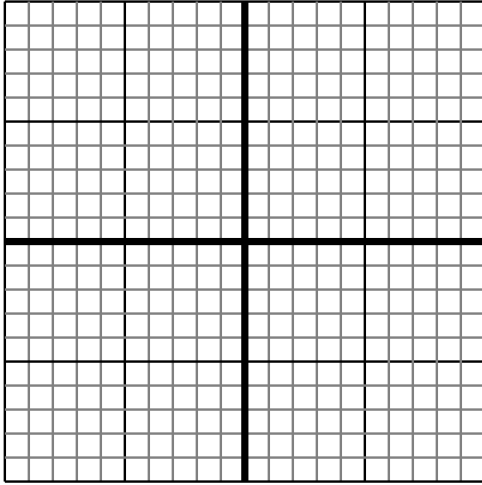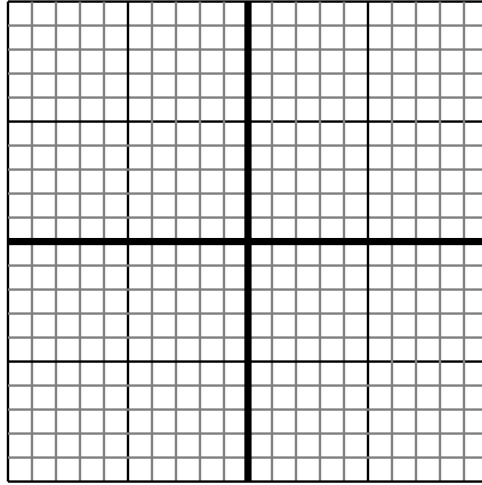
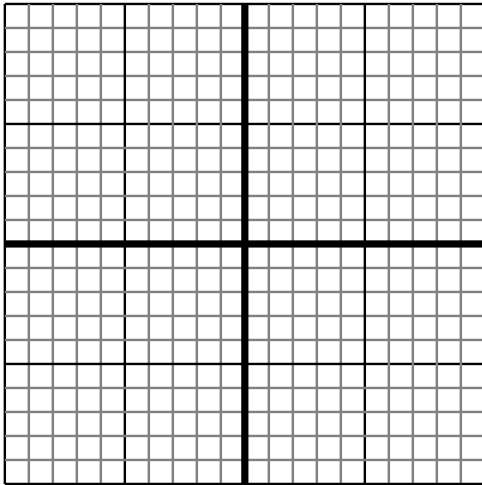Name: _____

Sketch your line then answer with your slope.

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

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

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

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

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

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

6) Sketch a line with a Y intercept of 9 and a greater rate of change than: $Y = \frac{-3}{2} + 9$

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Sketch your line then answer with your slope.

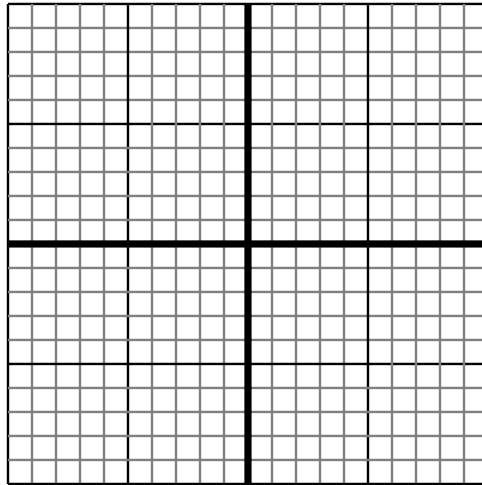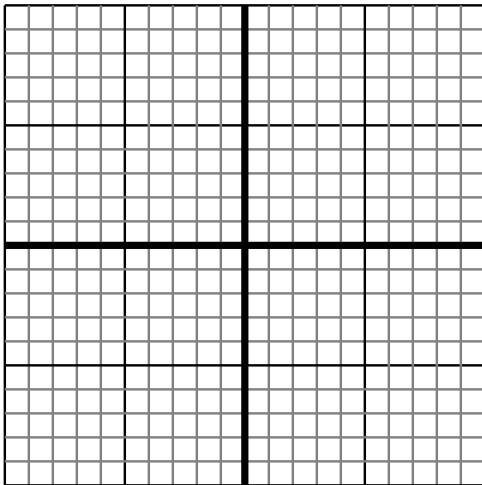**1)** Sketch a line with a Y intercept of -7 and a smaller rate of change than: $Y = \frac{-6}{5} - 7$

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

3) Sketch a line with a Y intercept of 3 and a greater rate of change than: $Y = \frac{-9}{6} + 3$
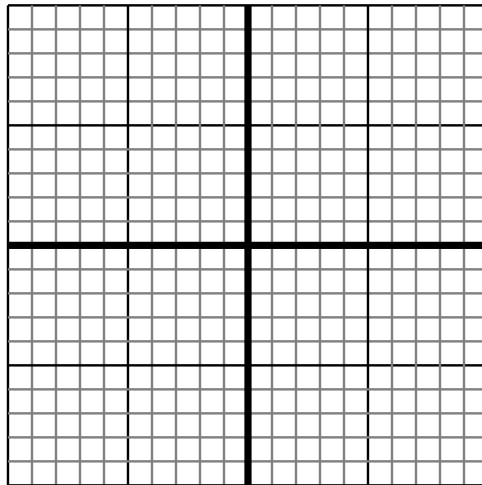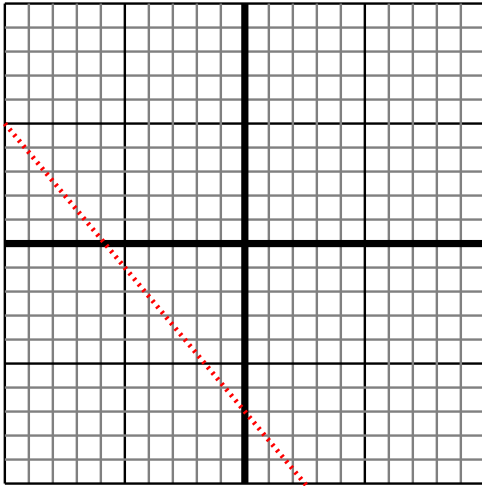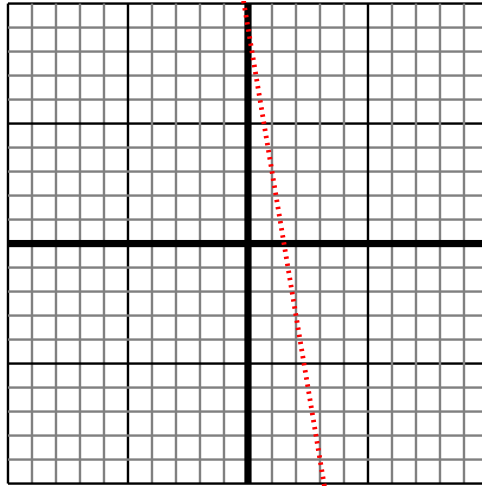
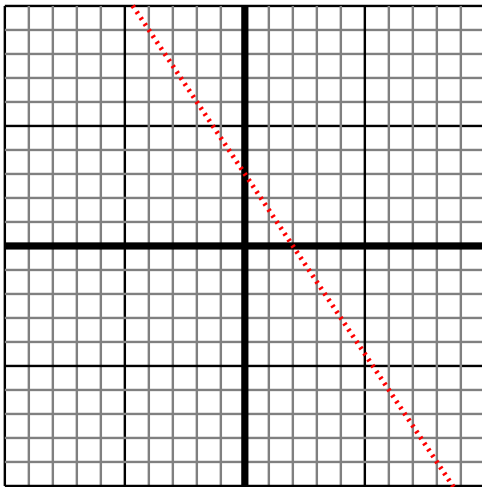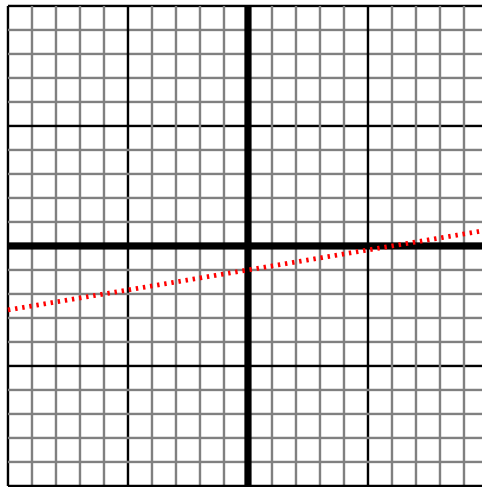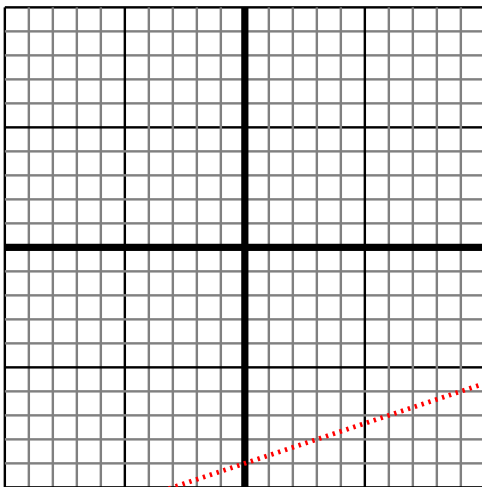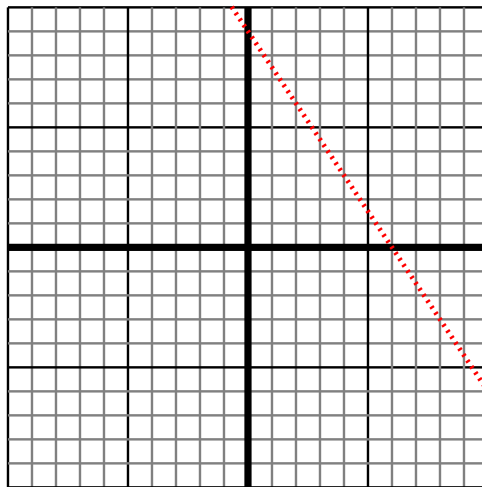**4)** Sketch a line with a Y intercept of -1 and a greater rate of change than: $Y = \frac{1}{6} - 1$

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

6) Sketch a line with a Y intercept of 9 and a greater rate of change than: $Y = \frac{-3}{2} + 9$

Answers

1. $< \left| \frac{-6}{5} \right|$

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

3. $> \left| \frac{-9}{6} \right|$

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

5. $< \left| \frac{3}{9} \right|$

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

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