Drawing Line with Different Rate of Change
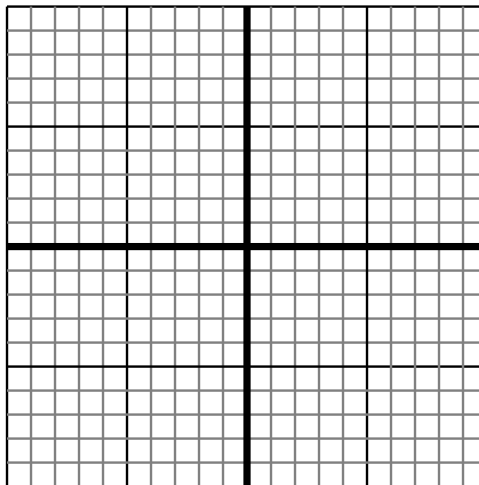
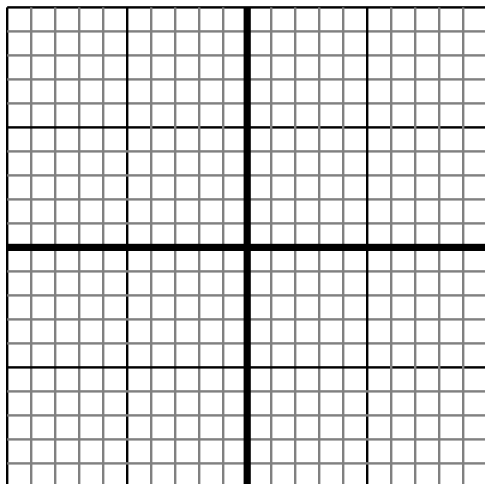Name: _____

Sketch your line then answer with your slope.

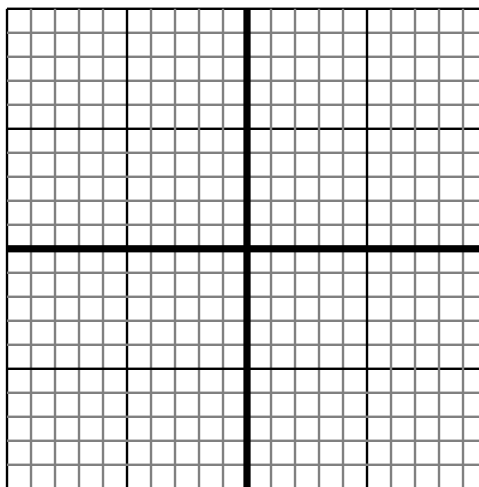**1)** Sketch a line with a Y intercept of -9 and a greater rate of change than: $Y = \frac{-6}{5} - 9$

2) Sketch a line with a Y intercept of 5 and a smaller rate of change than: $Y = \frac{-4}{-9} + 5$
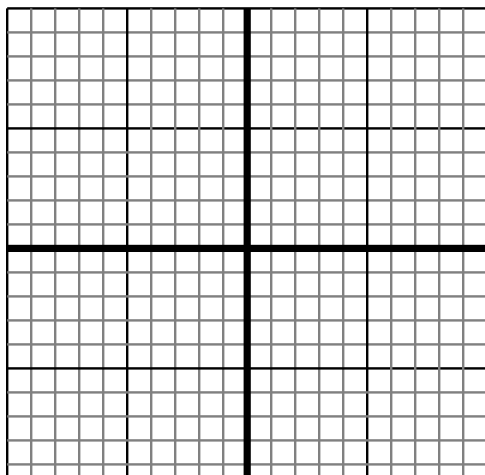
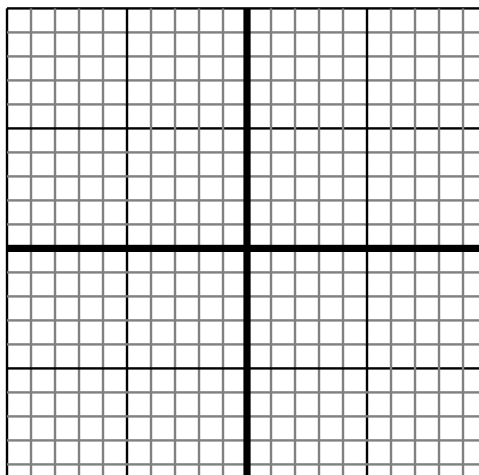**3)** Sketch a line with a Y intercept of 9 and a smaller rate of change than: $Y = \frac{-7}{8} + 9$

4) Sketch a line with a Y intercept of -10 and a smaller rate of change than: $Y = \frac{-4}{-8} - 10$

5) Sketch a line with a Y intercept of -6 and a greater rate of change than: $Y = \frac{-9}{-8} - 6$

6) Sketch a line with a Y intercept of 7 and a greater rate of change than: $Y = \frac{1}{8} + 7$
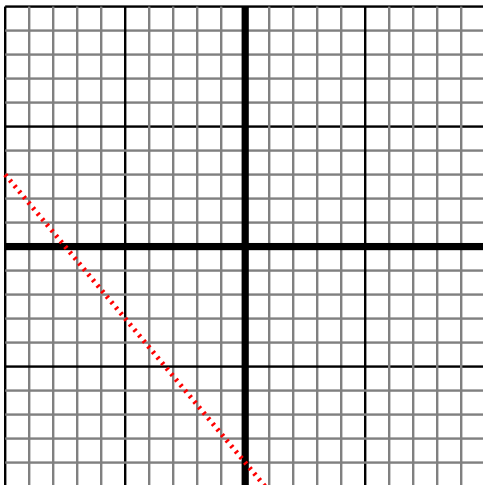
Math

www.CommonCoreSheets.com
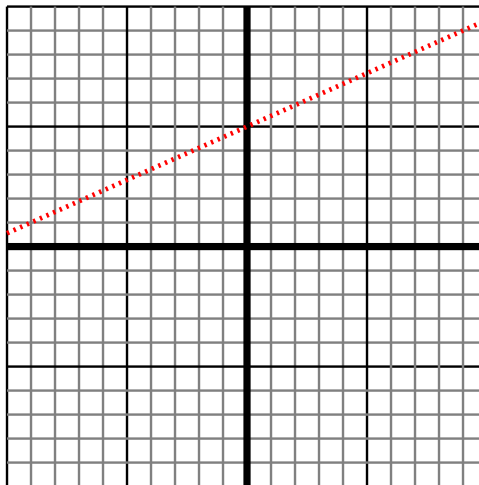
1-6 | 83 | 67 | 50 | 33 | 17 | 0

Answer Key
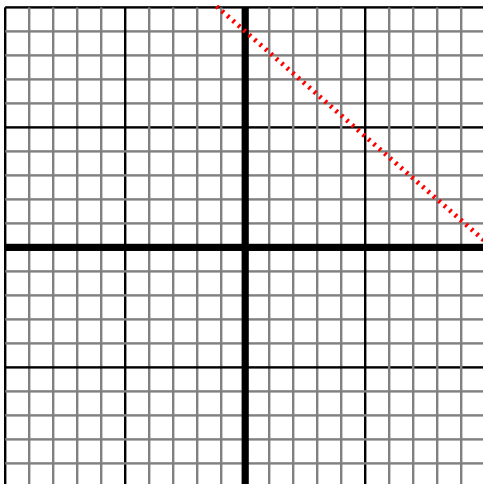
Sketch your line then answer with your slope.

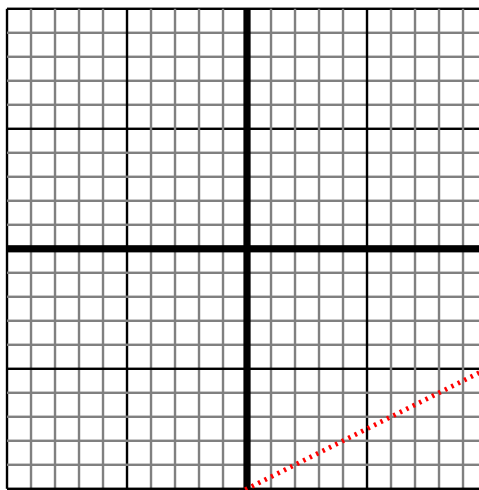**1)** Sketch a line with a Y intercept of -9 and a greater rate of change than: $Y = \dfrac{-6}{5} - 9$

2) Sketch a line with a Y intercept of 5 and a smaller rate of change than: $Y = \dfrac{-4}{-9} + 5$

1. $> |\dfrac{-6}{5}|$
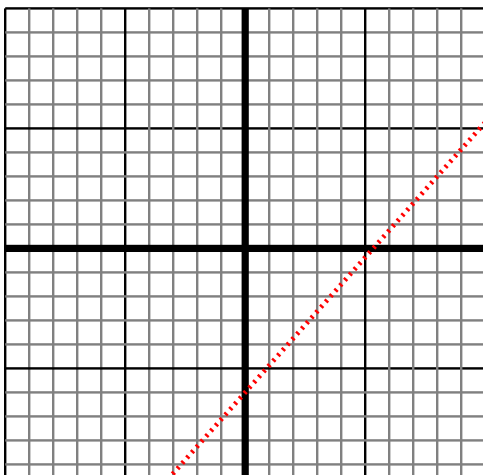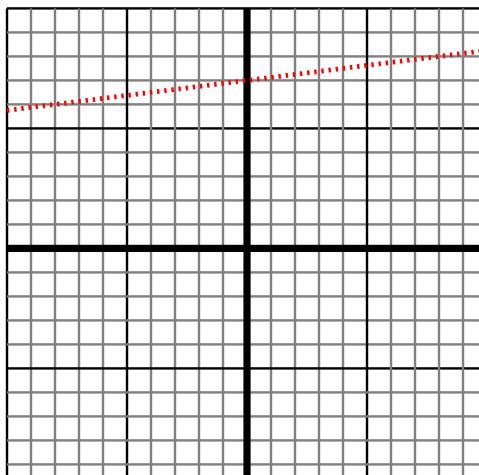
2. $< |\dfrac{-4}{-9}|$

3. $< |\dfrac{-7}{8}|$

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

4) Sketch a line with a Y intercept of -10 and a smaller rate of change than: $Y = \dfrac{-4}{-8} - 10$

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

5. $> |\dfrac{-9}{-8}|$

6. $> |\dfrac{1}{8}|$

5) Sketch a line with a Y intercept of -6 and a greater rate of change than: $Y = \dfrac{-9}{-8} - 6$

6) Sketch a line with a Y intercept of 7 and a greater rate of change than: $Y = \dfrac{1}{8} + 7$

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

Math