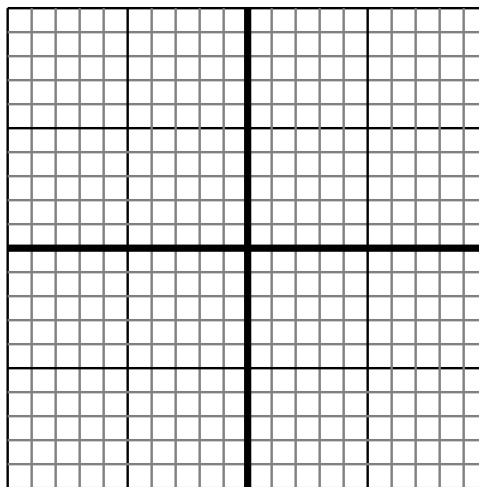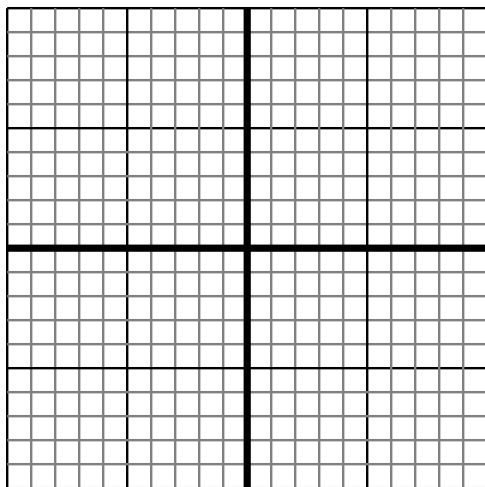# Drawing Line with Different Rate of Change
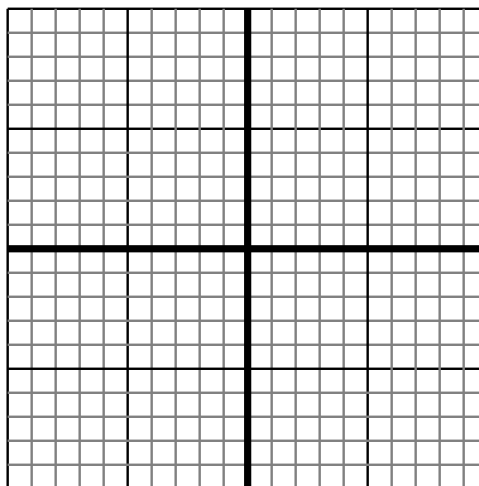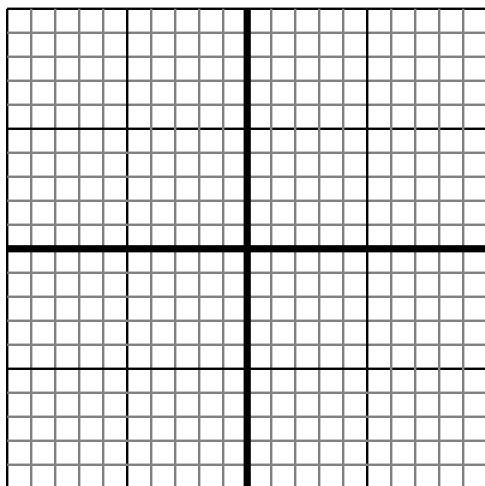
Name: _____
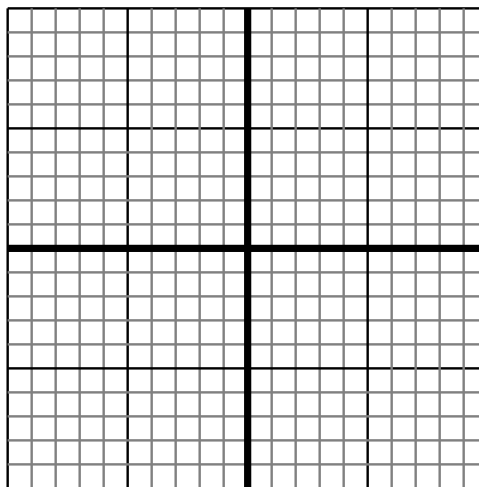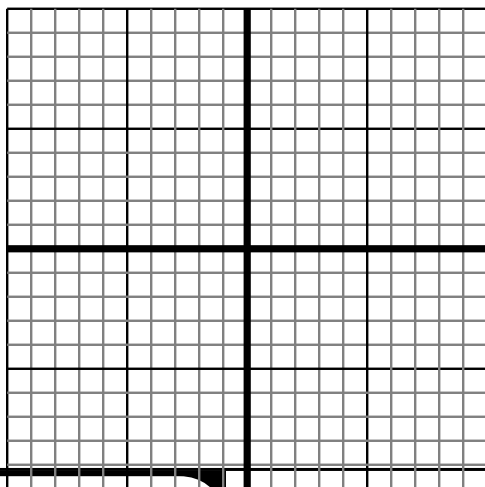
Sketch your line then answer with your slope.

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

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

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

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

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

5) Sketch a line with a Y intercept of -10 and a smaller rate of change than: $Y = \frac{-5}{-4} - 10$

6) Sketch a line with a Y intercept of -6 and a smaller rate of change than: $Y = \frac{-1}{2} - 6$
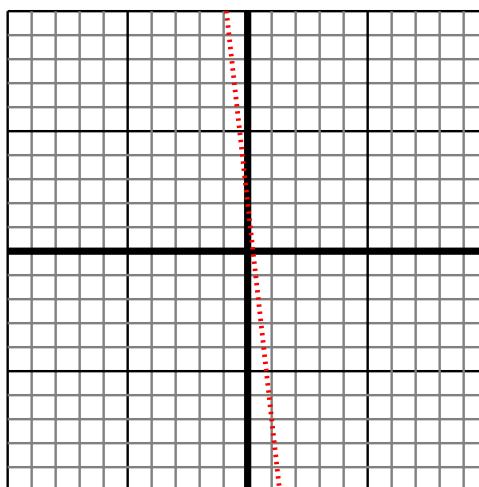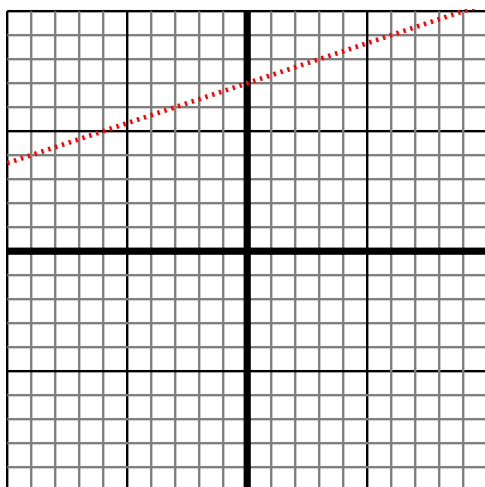
Math
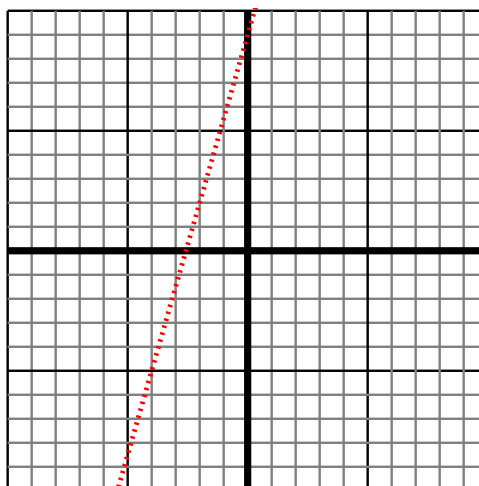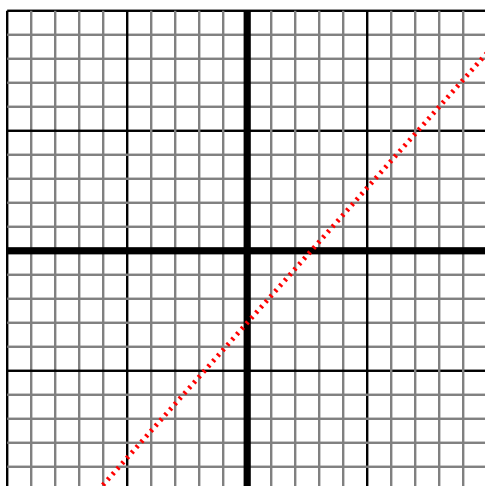
1-6 | 83 | 67 | 50 | 33 | 17 | 0

Answer Key
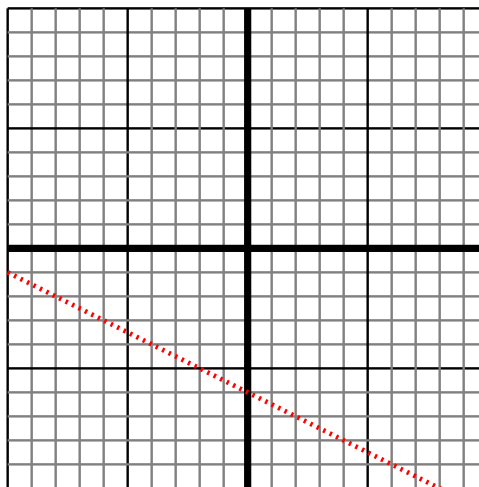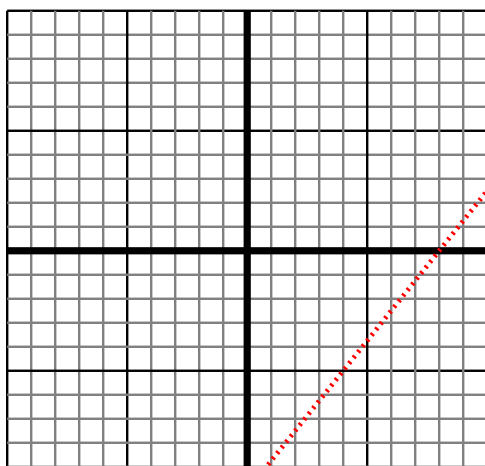
Sketch your line then answer with your slope.

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

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

1. $> |\frac{-3}{-9}|$

2. $< |\frac{9}{-1}|$

3. $< |\frac{-9}{-8}|$

4. $< |\frac{7}{2}|$

5. $< |\frac{-5}{-4}|$

6. $< |\frac{-1}{2}|$

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

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

5) Sketch a line with a Y intercept of -10 and a smaller rate of change than: $Y = \frac{-5}{-4} - 10$

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