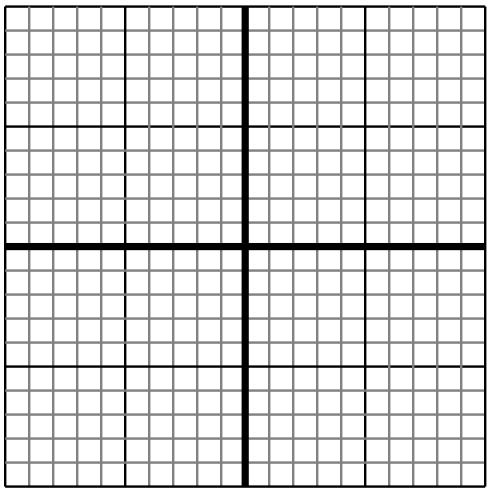
Drawing Line with Different Rate of Change

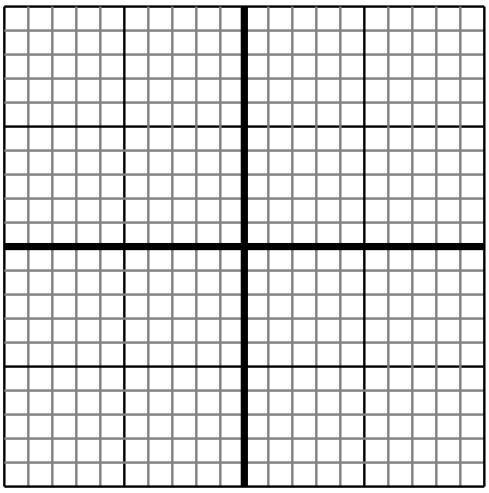
Name:

Sketch your line then answer with your slope.

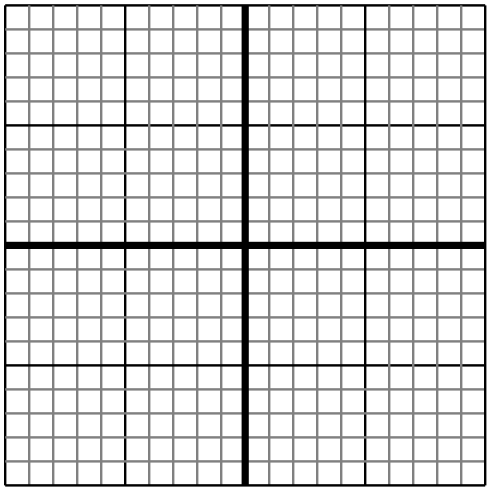
1) Sketch a line with a Y intercept of -2 and a smaller rate of change than: $Y = \frac{-3}{7} - 2$



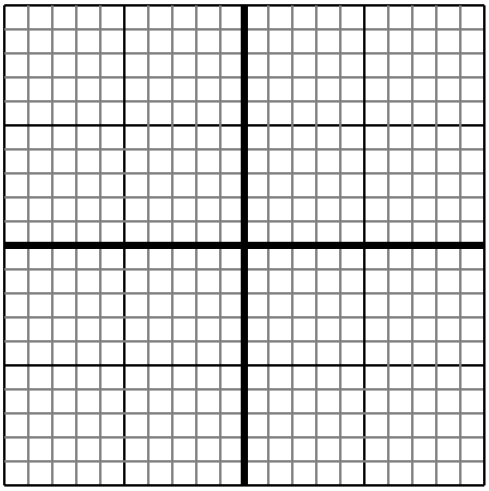
2) Sketch a line with a Y intercept of -8 and a smaller rate of change than: $Y = \frac{-9}{5} - 8$



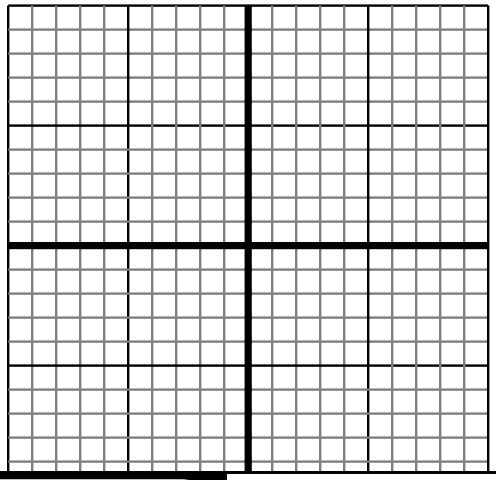
3) Sketch a line with a Y intercept of 5 and a smaller rate of change than: $Y = \frac{-6}{7} + 5$



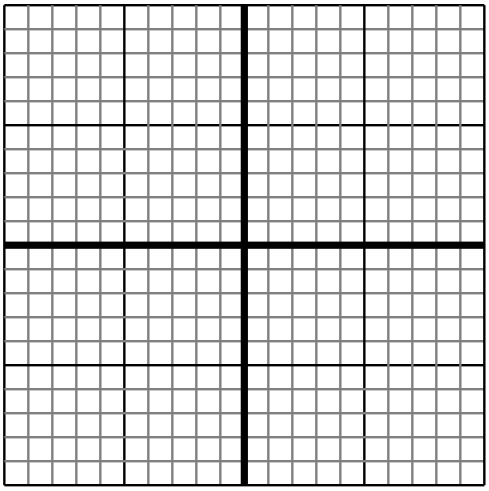
4) Sketch a line with a Y intercept of 3 and a greater rate of change than: $Y = \frac{-6}{-6} + 3$



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: $Y = \frac{-2}{-4} + 4$



Answers

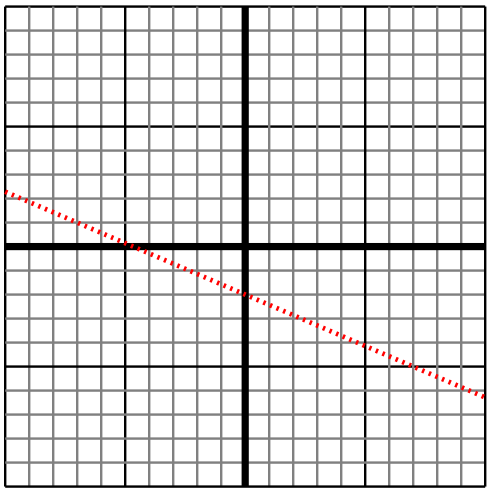
1. _____
2. _____
3. _____
4. _____
5. _____
6. _____

1-6	83	67	50	33	17	0

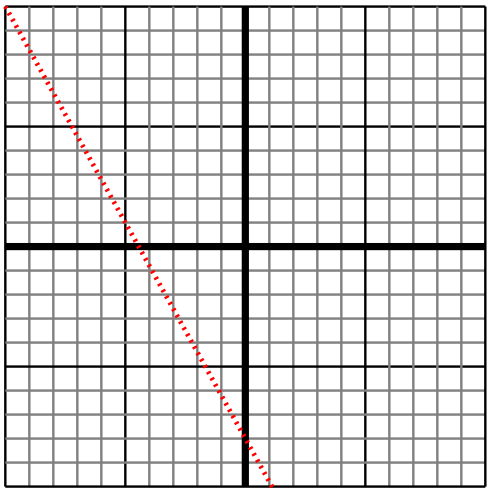
Drawing Line with Different Rate of Change Name: **Answer Key**

Sketch your line then answer with your slope.

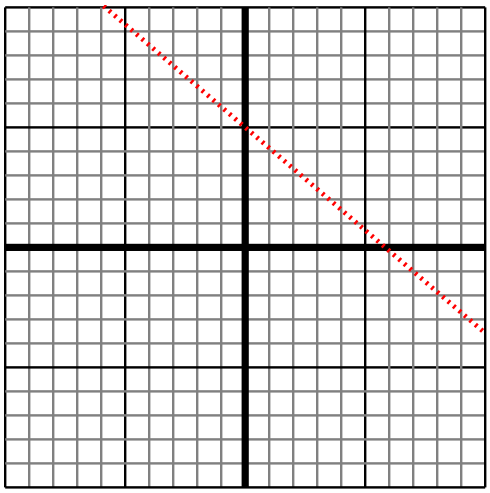
1) Sketch a line with a Y intercept of -2 and a smaller rate of change than: $Y = {}^{-3}/_{7} - 2$



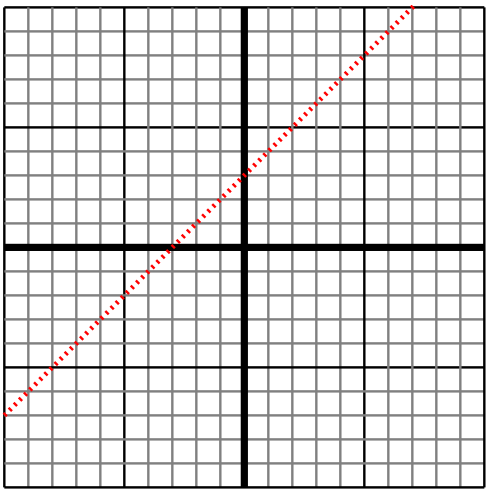
2) Sketch a line with a Y intercept of -8 and a smaller rate of change than: $Y = {}^{-9}/_{5} - 8$



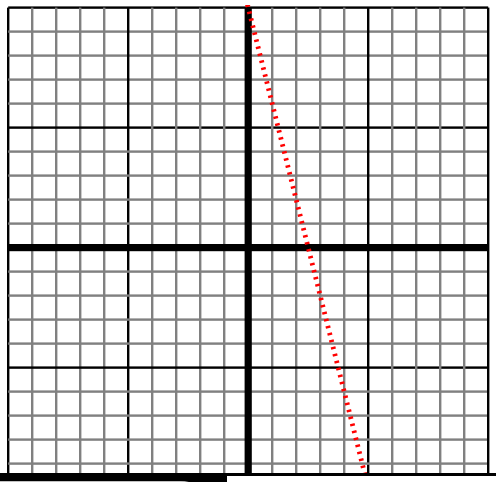
3) Sketch a line with a Y intercept of 5 and a smaller rate of change than: $Y = {}^{-6}/_{7} + 5$



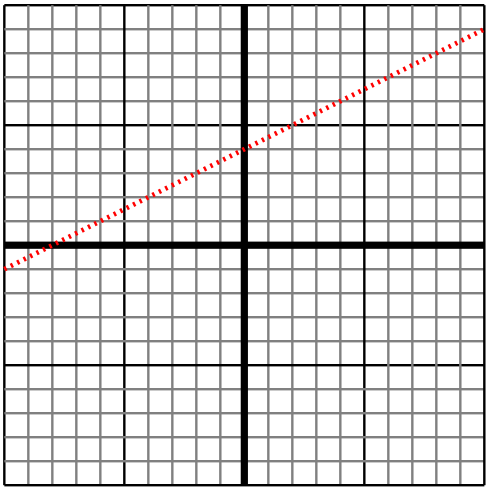
4) Sketch a line with a Y intercept of 3 and a greater rate of change than: $Y = {}^{-6}/_{-6} + 3$



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



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



Answers

1. $< |{}^{-3}/_{7}|$
2. $< |{}^{-9}/_{5}|$
3. $< |{}^{-6}/_{7}|$
4. $> |{}^{-6}/_{-6}|$
5. $> |{}^{8}/_{-2}|$
6. $< |{}^{-2}/_{-4}|$

1-6	83	67	50	33	17	0