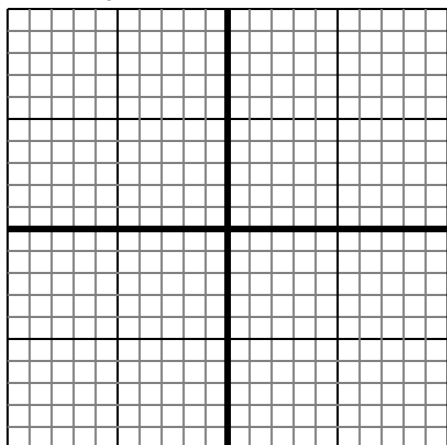# Drawing Line with Different Rate of Change

Name:
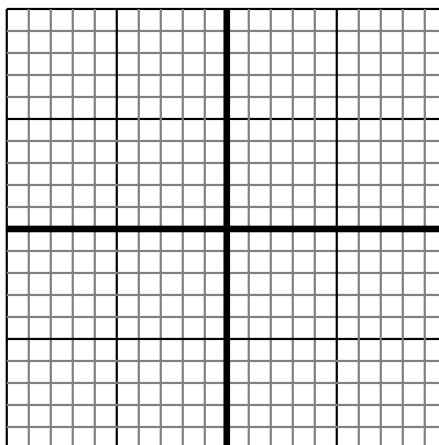
Sketch your line then answer with your slope.

1) Sketch a line with a Y intercept of -10 and a smaller rate of change than:
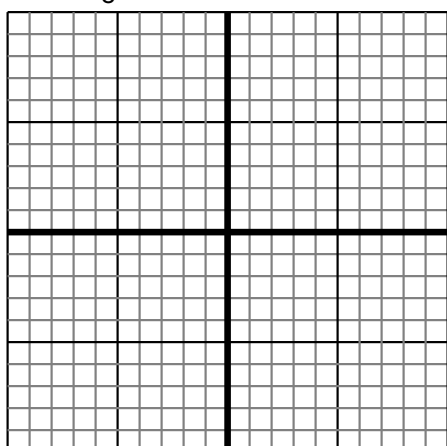
$Y = \frac{8}{-5} - 10$

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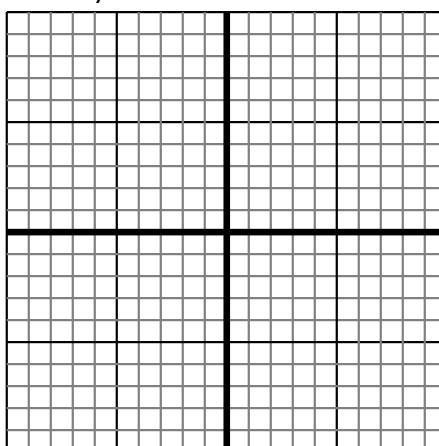
$Y = \frac{1}{7} - 1$

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

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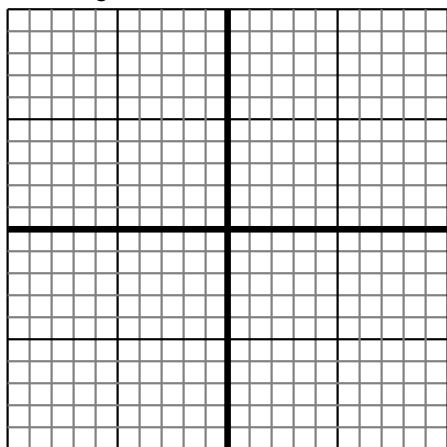
$Y = \frac{3}{-3} + 1$

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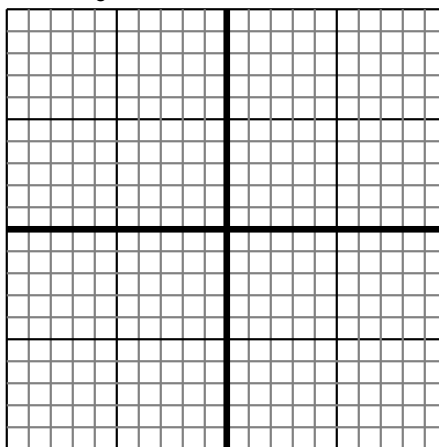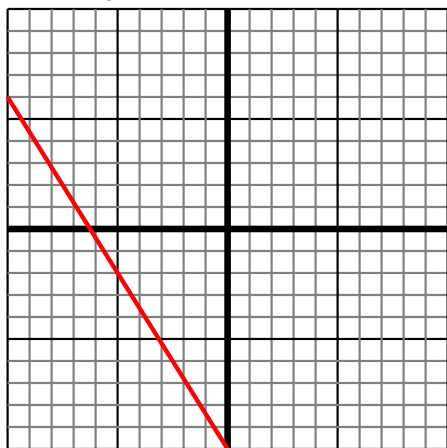
$Y = \frac{2}{7} + 4$

5) Sketch a line with a Y intercept of 3 and a greater rate of change than:

$Y = \frac{7}{8} + 3$

6) Sketch a line with a Y intercept of -3 and a smaller rate of change than:

$Y = \frac{6}{6} - 3$

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

Name: **Answer Key**

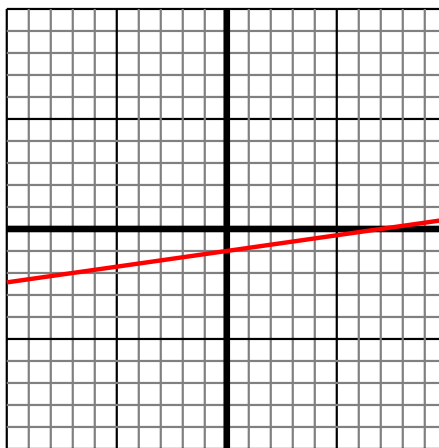**Sketch your line then answer with your slope.**

Answers

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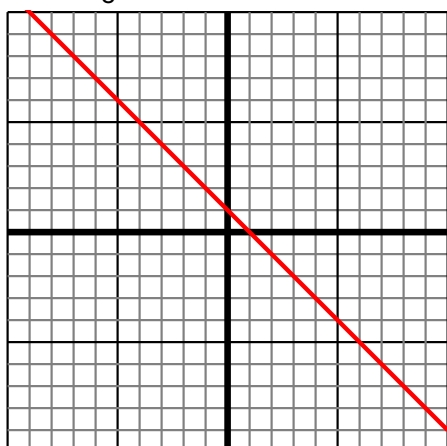
$Y = {}^{8}/_{-5} - 10$

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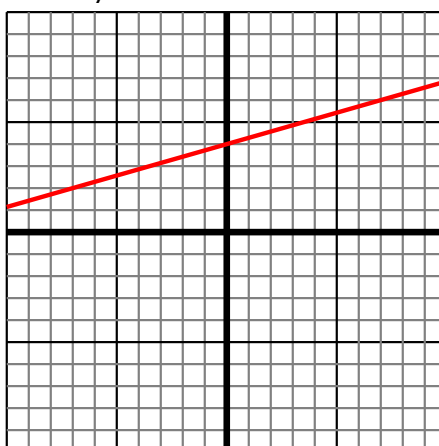
$Y = {}^{1}/_{7} - 1$

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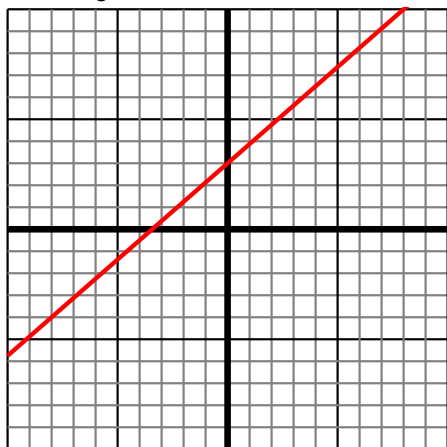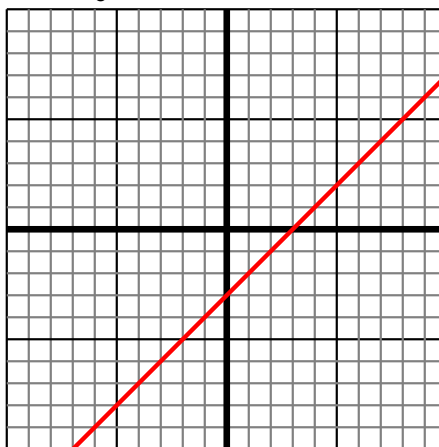
$Y = {}^{3}/_{-3} + 1$

4) Sketch a line with a Y intercept of 4 and a greater rate of change than:

$Y = {}^{2}/_{7} + 4$

5) Sketch a line with a Y intercept of 3 and a greater rate of change than:

$Y = {}^{7}/_{8} + 3$

6) Sketch a line with a Y intercept of -3 and a smaller rate of change than:

$Y = {}^{6}/_{6} - 3$

1. $< |{}^{8}/_{-5}|$

2. $> |{}^{1}/_{7}|$

3. $> |{}^{3}/_{-3}|$

4. $> |{}^{2}/_{7}|$

5. $> |{}^{7}/_{8}|$

6. $< |{}^{6}/_{6}|$

Math