Drawing Line with Different Rate of Change

Name: _____
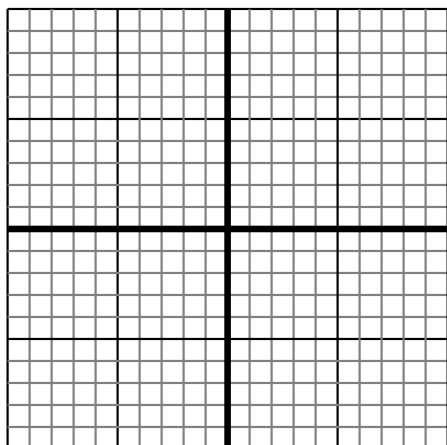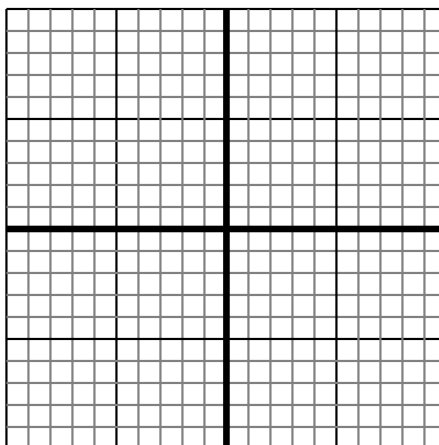
Sketch your line then answer with your slope.

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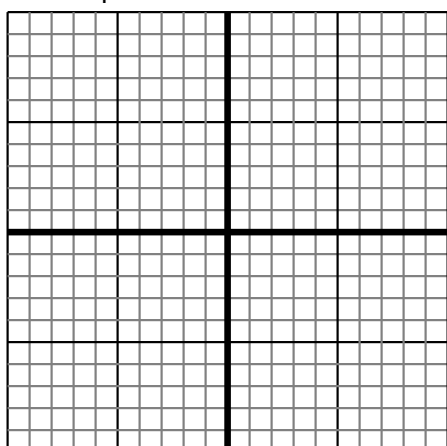
$Y = {}^2\!/_{-2} - 1$

2) Sketch a line with a Y intercept of -10 and a smaller rate of change than:
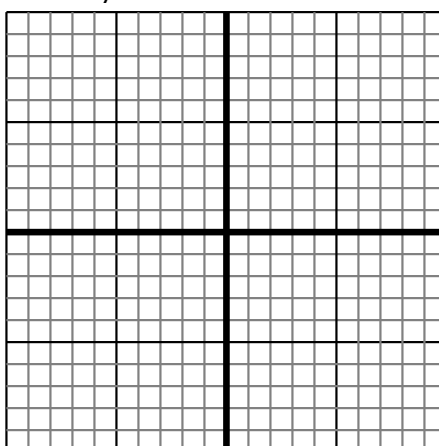
$Y = {}^3\!/_2 - 10$

3) Sketch a line with a Y intercept of 8 and a smaller rate of change than:
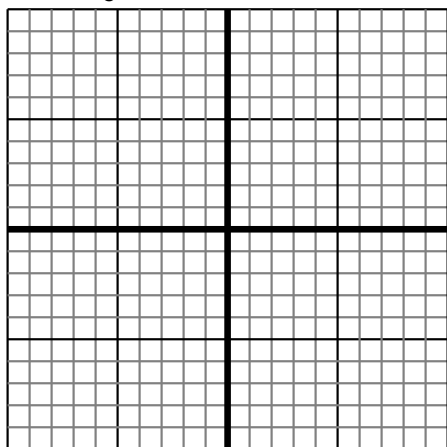
$Y = {}^8\!/_4 + 8$

4) Sketch a line with a Y intercept of 5 and a greater rate of change than:
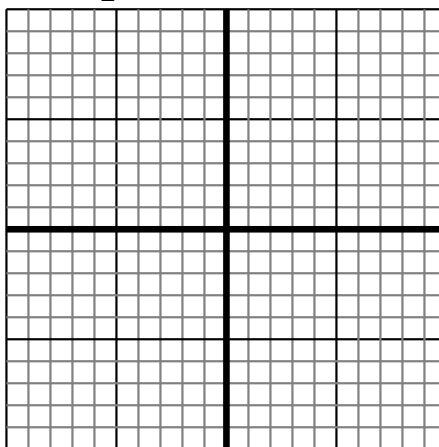
$Y = {}^4\!/_{-7} + 5$

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

$Y = {}^4\!/_{-5} - 5$

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

$Y = {}^7\!/_{-2} - 6$

Math
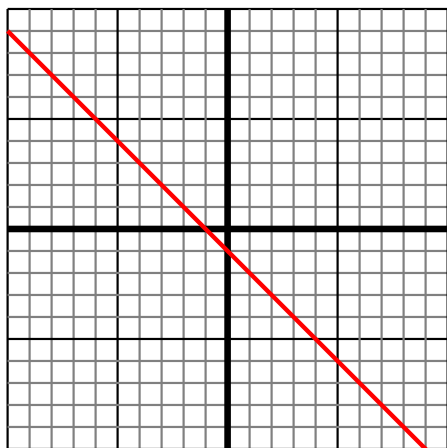
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Name: **Answer Key**
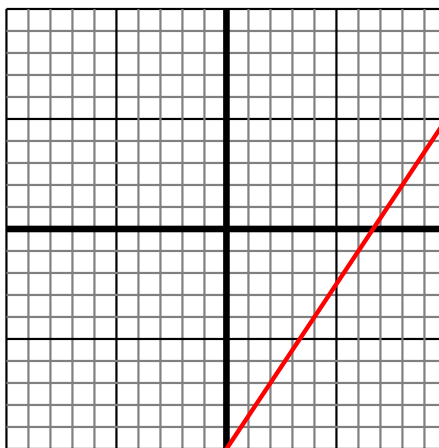
Sketch your line then answer with your slope.

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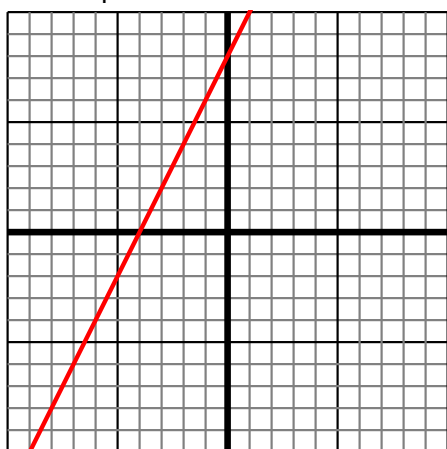
$Y = {}^2/_{-2} - 1$

2) Sketch a line with a Y intercept of -10 and a smaller rate of change than:

$Y = {}^3/_2 - 10$

1. $< |{}^2/_{-2}|$

2. $< |{}^3/_2|$

3. $< |{}^8/_4|$

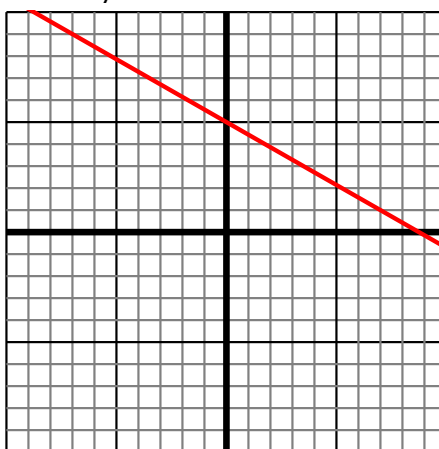4. $> |{}^4/_{-7}|$

5. $> |{}^4/_{-5}|$

6. $> |{}^7/_{-2}|$

3) Sketch a line with a Y intercept of 8 and a smaller rate of change than:
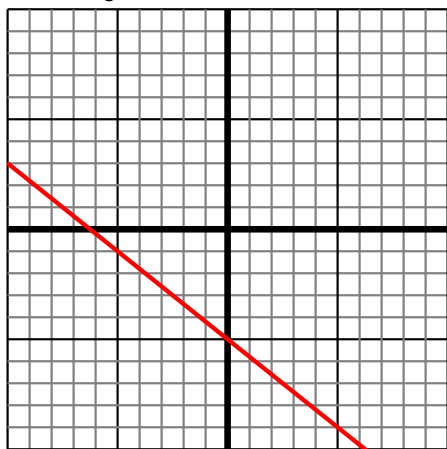
$Y = {}^8/_4 + 8$

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

$Y = {}^4/_{-7} + 5$

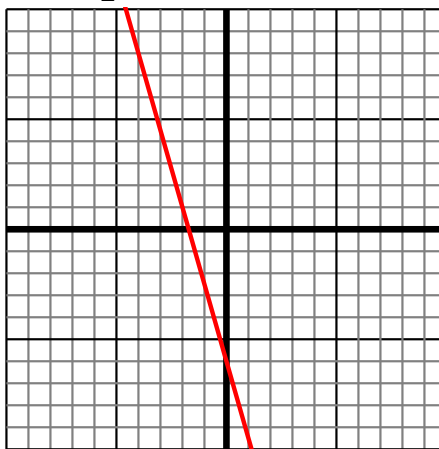**5)** Sketch a line with a Y intercept of -5 and a greater rate of change than:

$Y = {}^4/_{-5} - 5$

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

$Y = {}^7/_{-2} - 6$

Math

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