

Name: _____

Date: _____

Slope $m = \text{rise/run} = (y_2 - y_1)/(x_2 - x_1)$. Pair with coordinate-plane paper. Last two are challenge problems!

1. Slope through (1, 2) and (3, 8)?

show your work

2. Slope through (0, 5) and (4, 5)?

show your work

3. Slope through (2, 7) and (5, 1)?

show your work

4. Graph $y = 2x + 1$: start at (0,1), then rise 2 run 1. Plot 3 points.

show your work

5. Graph $y = -x + 4$: plot $(0,4), (1,3), (2,2)$.

show your work

6. Slope through $(-2, 3)$ and $(4, 3)$?

show your work

7. A line has slope $1/2$ through $(0, -3)$.
Give two more points.

show your work

8. Slope through $(-1, -4)$ and $(2, 5)$?

show your work

- 9.** Line A: (0,2) & (3,8). Line B: (0,8) & (4,0). Which is steeper (bigger $|m|$)? ★ CHALLENGE

show your work

- 10.** A line through (2, 5) has slope -3. Find where it crosses the y-axis. ★ CHALLENGE

show your work