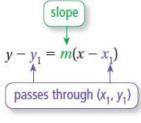
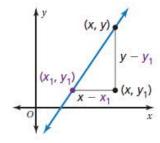
Mary Idea

Point-Slope Form

Words A linear equation written in the form $y - y_1 = m(x - x_1)$ is in **point-slope form**. The line passes through the point (x_1, y_1) , and the slope of the line is m.

Algebra





Ex:) Write an equation in point-slope form of the line that passes through the point (-6, 1) with a slope of $\frac{2}{3}$.

Notes:

OYO:) Write an equation in point-slope form of the line that passes through the point Notes: (-8, -5) with a slope of $-\frac{3}{4}$.

OYO:) Write an equation in slope-intercept form of the line that passes through

the given points.

x	у
-1	10
2	4
5	-2

Ex:) You finish parasailing and are being pulled back to the boat. After 2 seconds, you are 25 feet above the boat. At what height were you parasailing?

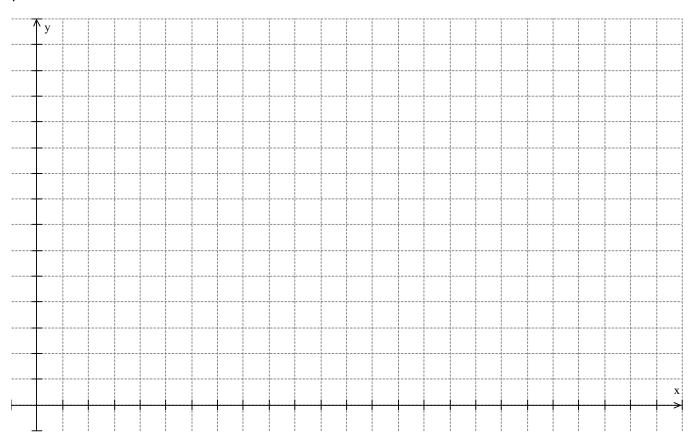
Notes:

Notes:

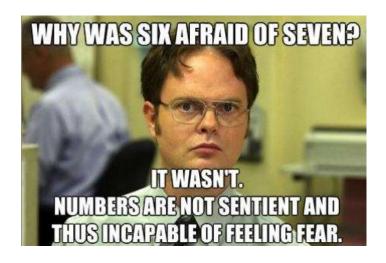


OYO:) You and your friend begin to run along a path at different constant speeds. After 1 minute, your friend is 45 meters ahead of you. After 3 minutes, your friend is 105 meters ahead of you.

a. Write and graph an equation for the distance y (in meters) your friend is ahead of you after x minutes. Justify your answer.



b. Did you and your friend start running from the same spot? Explain your reasoning.





astericksarestars

specialagentartemis:

I feel like I have been waiting for this my entire life

I just fell out of my chair.

97,325 notes





