

Equations of Lines-Part 2

Find the equation of the line passing through the given points.

1. Find the slope first. $m = \frac{y_2 - y_1}{x_2 - x_1}$
2. Pick one point and now use the Point-Slope formula. $y - y_1 = m(x - x_1)$
3. Write answers in slope-intercept form, if possible.

Ex. #1: Passing through the points $(-1,3)$ and $(4,7)$

Ex. #2: Passing through the points $(3,-4)$ and $(-5,-1)$

Ex. #3: Passing through the
points $(5,-6)$ and $(-3,-6)$

Ex. #4: Passing through the
points $(-7,-4)$ and $(-7,8)$