

The slope of the line between the points (a,b) and (c,d) is equal to  $\frac{b - d}{a - c}$

(which is also equal to  $\frac{d - b}{c - a}$ ). Be sure to use the coordinates in the same "order" in the numerator and denominator. That is, if the numerator is  $y$ -coordinate of first point minus  $y$ -coordinate of second point, then the denominator should be the  $x$ -coordinate of the first point minus the  $x$ -coordinate of the second point.