

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.