

$$\text{Given } \left(\begin{array}{l} p_1 = \text{some point} \\ p_2 = \text{some other point} \\ \text{distance} = (p_2 - p_1) \\ \text{ratio} = \frac{\text{percentage}}{100} \end{array} \right), \text{ our new point} = p_1 + \text{distance} \cdot \text{ratio}$$