

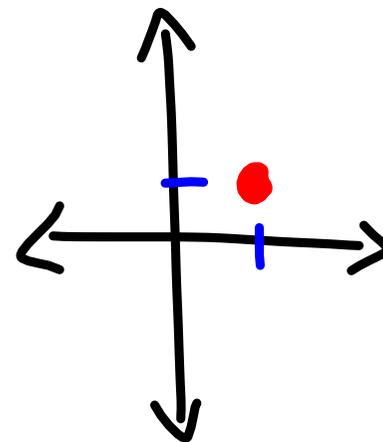
Scalar -

only a magnitude

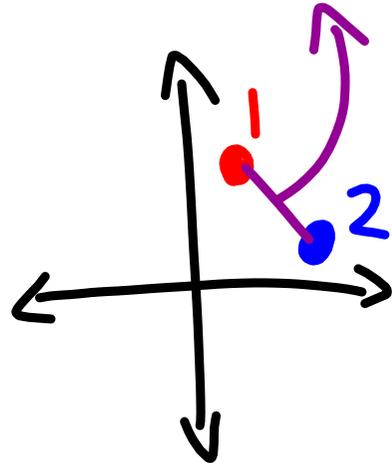
Vector -

Direction and Magnitude

Position -
Where you are on the x/y
axis



displacement - change in
position

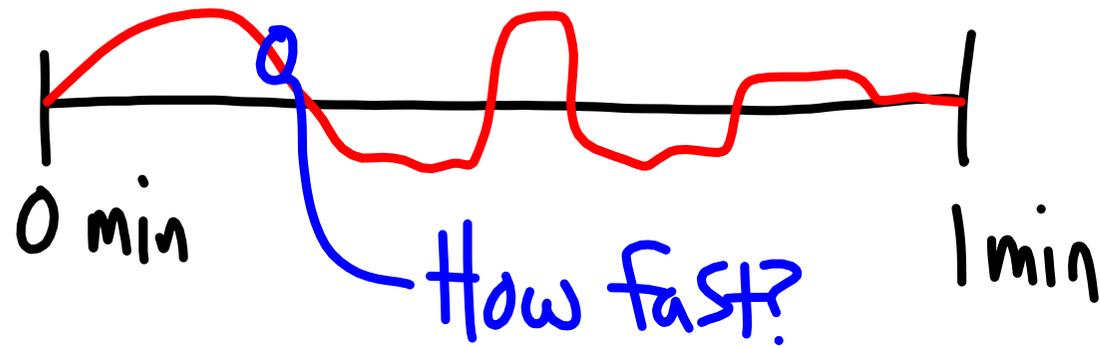


Final - Initial

Crash Course Calculus

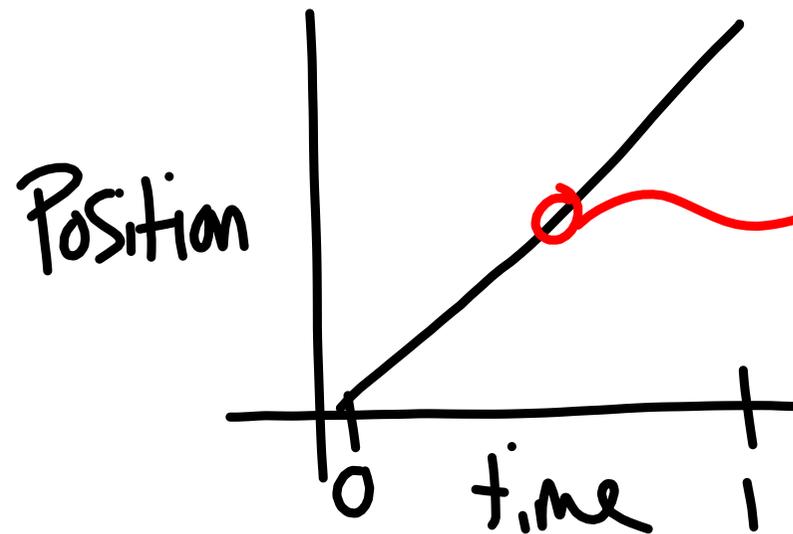
~ you have traveled 2 km in
1 minute

$$\frac{2 \text{ km}}{1 \text{ min}} \times \frac{60 \text{ min}}{1 \text{ hr.}} = \frac{120 \text{ km}}{1 \text{ hr.}} \rightarrow \text{Average Speed}$$



$$\text{Speed} = \frac{\Delta \text{Position}}{\Delta \text{time}} = \frac{\text{Final} - \text{Initial}}{0} \text{ :-(}$$

Make a graph



$$y = mx + b$$

Slope of line is
Constant
Slope = Speed