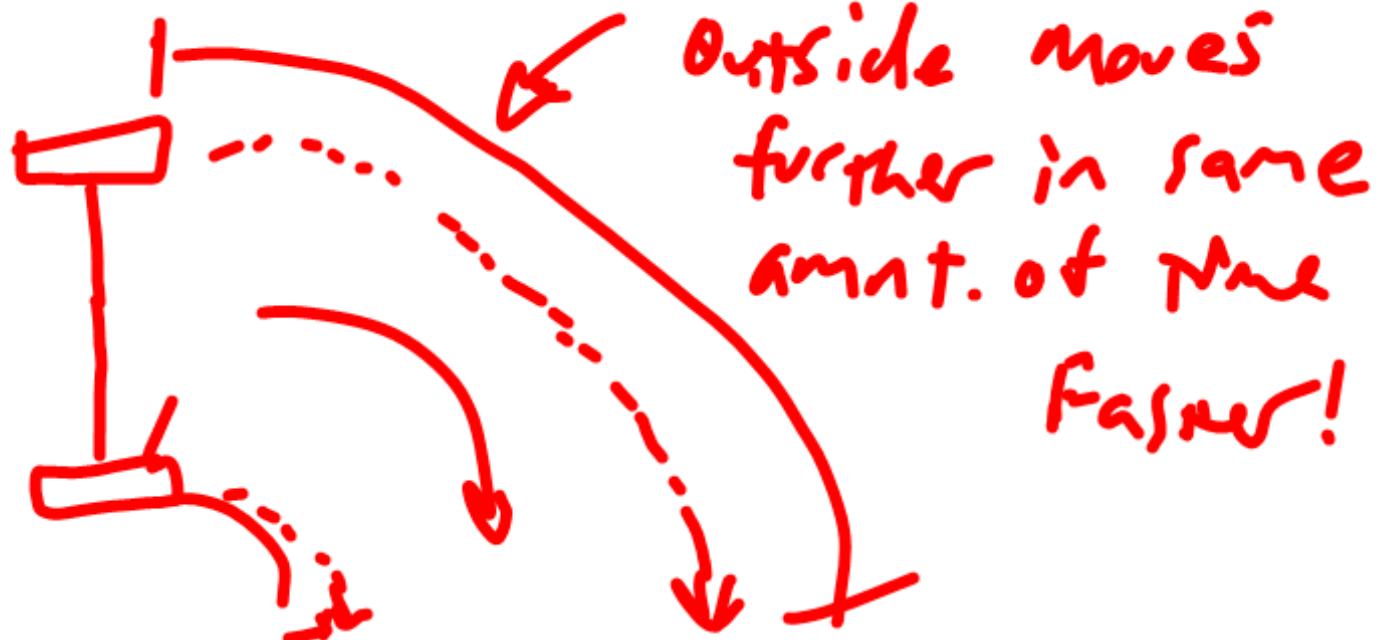


Velocity - Speed in a direction

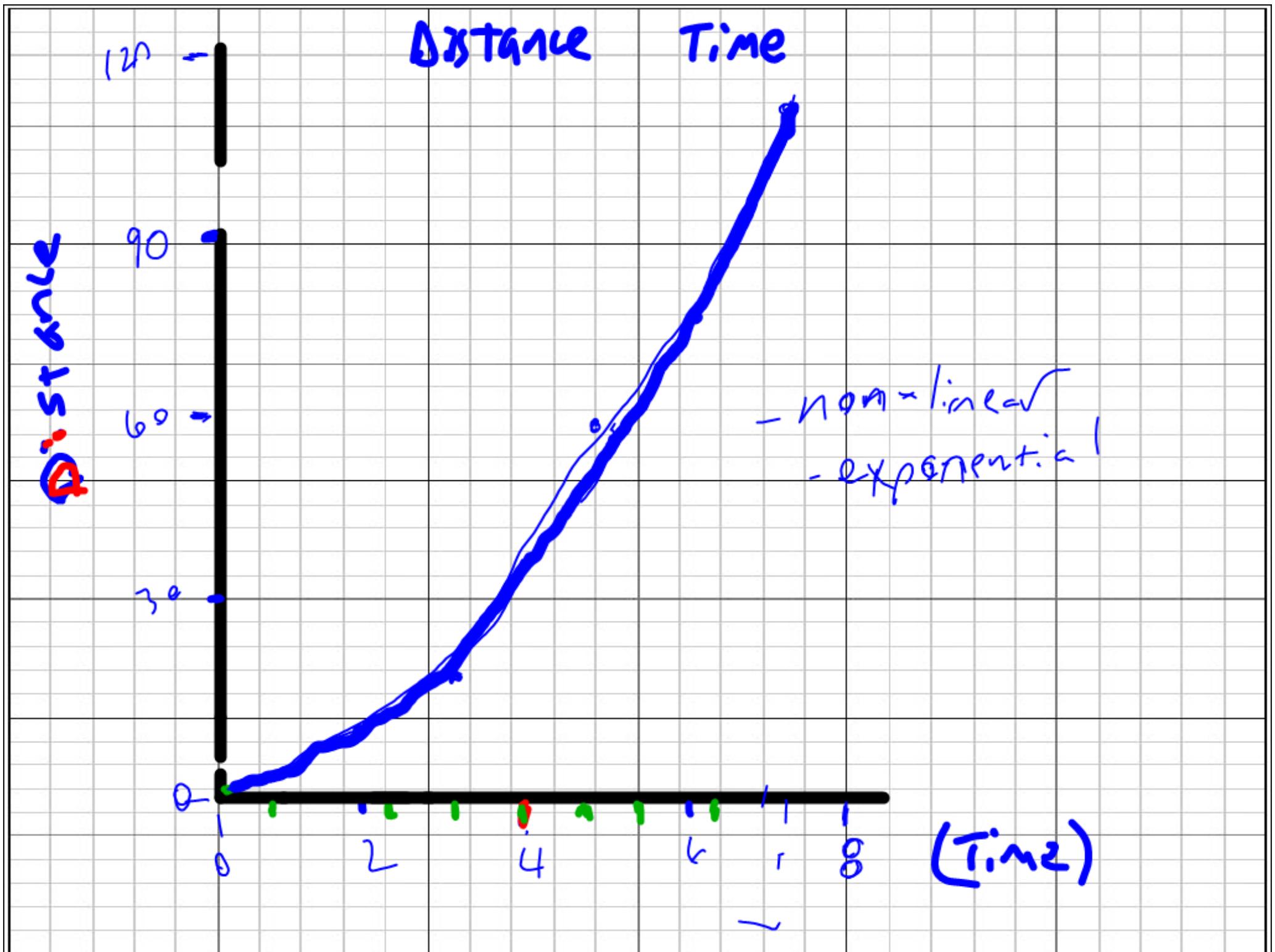
Acceleration - ↑ Speed, ↓ Speed
△ direction



$$\text{Accel} = \frac{\text{Fin Speed} - \text{init speed}}{\text{Time}}$$

$$\text{Accel} = \frac{40 \text{ m/s} - 0 \text{ m/s}}{5 \text{ s}} = 8 \frac{\text{m}}{\text{s}^2}$$

$$A = 8 \frac{\text{m}}{\text{s}^2} \cdot \frac{1}{\text{s}} = \frac{\text{m}}{\text{s}^2}$$
A hand-drawn diagram of a circle representing a wheel. Inside the circle, a vertical radius is drawn from the center to the circumference, labeled with a blue '1' and a blue 'm'. A blue arc on the circumference is also labeled with a blue 'm'. The center of the circle is marked with a blue 'C'.



$$\frac{8m}{2s} = \frac{F-I}{T} \text{ 2 sec.}$$

$\frac{8-0}{2} = \frac{4m}{s^2}$

