

STACKS OF GRAPHS

- Slopes

- Position-time \rightarrow velocity

$$v = \frac{\Delta x}{\Delta t} = \frac{x_f - x_i}{t_f - t_i}$$

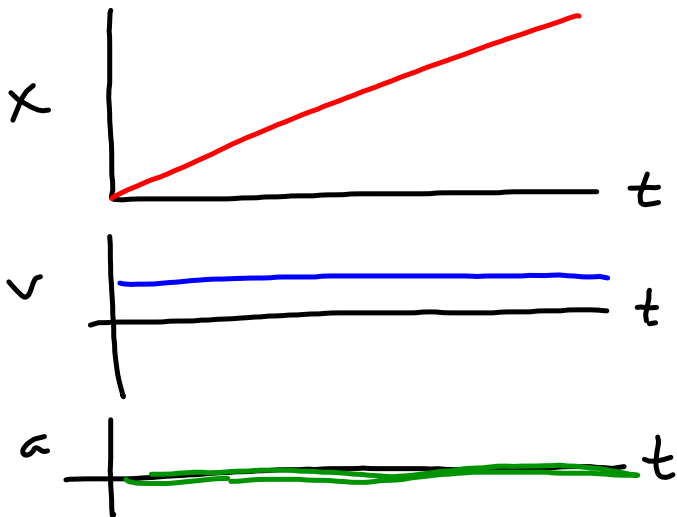
- Velocity-time \rightarrow acceleration

change in \rightarrow

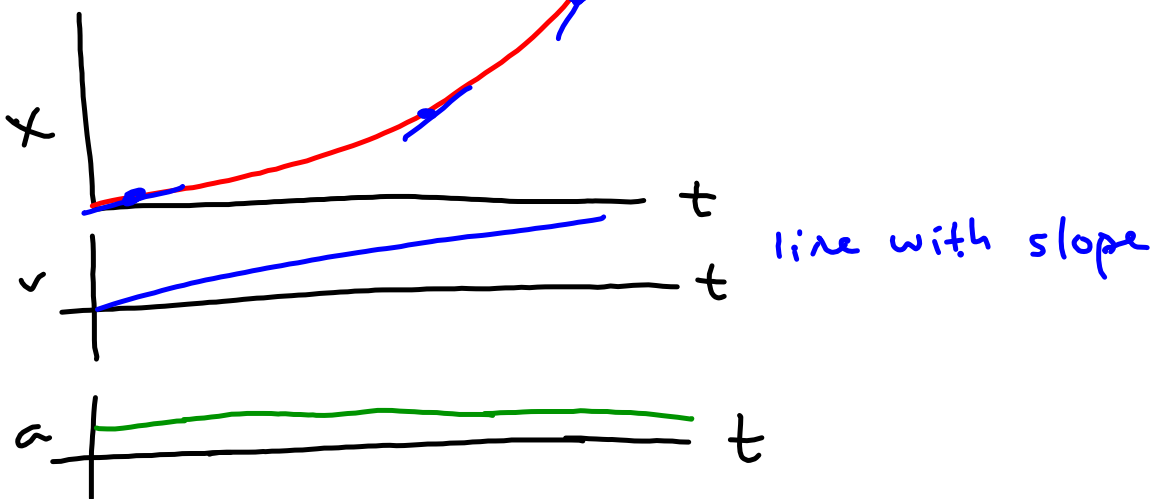
$$a = \frac{\Delta v}{\Delta t} = \frac{v_f - v_i}{t_f - t_i}$$

- Areas (between function and x-axis)
 - acceleration-time \rightarrow velocity
 - velocity-time \rightarrow displacement

• Constant velocity



• Speeding up



• Slowing Down

