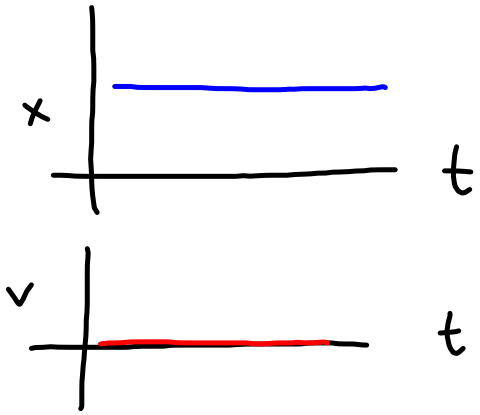
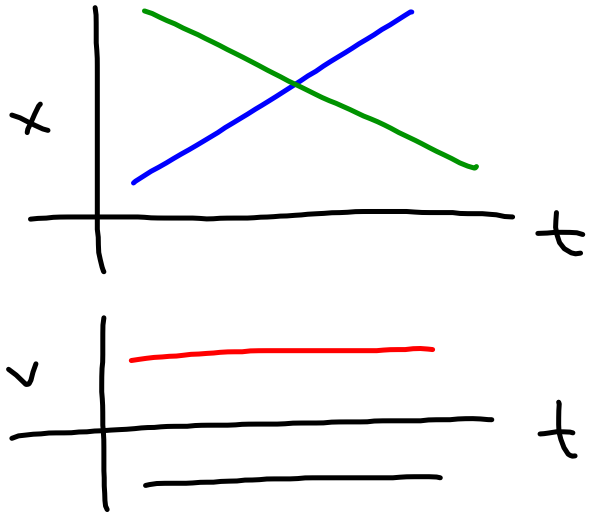
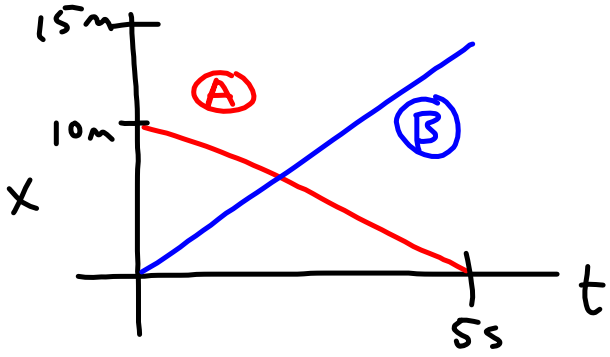
# GRAPHS





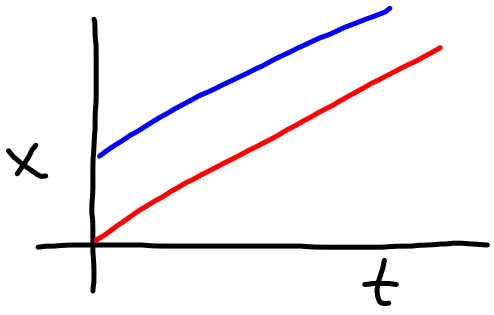

$y = mx + b$

Write an equation for each object:

A: $x = -2t + 10$

B: $x = 3t + 0$

position = (velocity)(time) + (Starting position)




$y = mx + b$

A: $x = (1)t + \emptyset$

$x = t$

B: $x = (1)t + 1$

$x = t + 1$

$$\text{Velocity} = \frac{\text{displacement}}{\text{time}}$$

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

$$A: \quad v_A = \frac{3m - \emptyset m}{3s} = 1\ m/s$$

$$B: \quad v_B = \frac{3m - 1m}{2s} = 1\ m/s$$