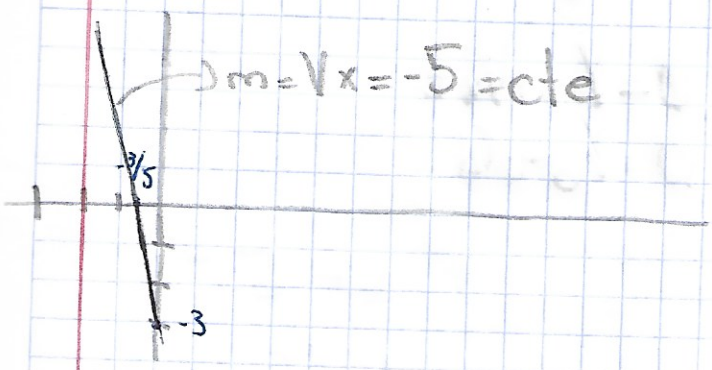
Tarea 1: $x = -3 - 5t$

$x = x_0 + v_x t \quad x = -3 - 5t$

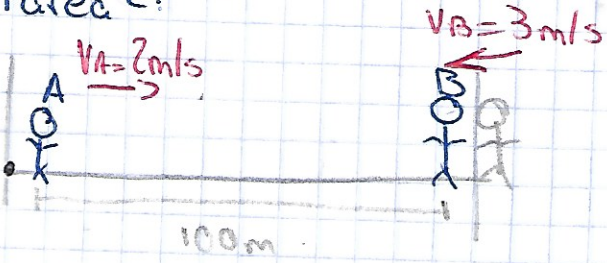


$0 = -3 - 5t$

$-5t = 3 \rightarrow t = \frac{3}{5}$

$t = -\frac{3}{5}$

Tarea 2:



a) $X_A = X_B$

$X_A = 0 - 3t$

$X_B = -100 + 2t$

$\rightarrow -3t = -100 + 2t$

$-3t - 2t = -100$

$-5t = -100$

$t = \frac{-100}{-5}$

$t = 20 s$

b)

$X_A - X_B = 50m$

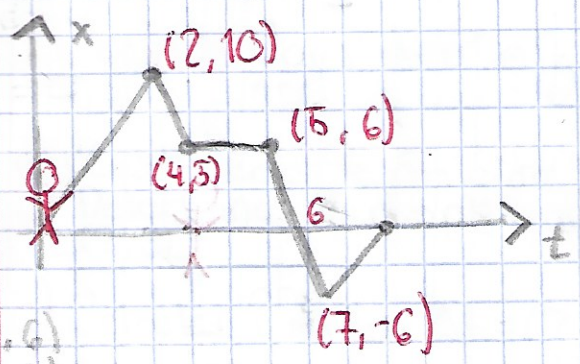
$+3t + 100 - 2t = 50m$

$\rightarrow -3t - 2t = 50 - 100$

$-5t = -50$

$-t = -\frac{50}{5} \rightarrow t = 10 s$

Tarea 3:



$X = X_0 + V_x t$

$0 = X_0 + V_x t$

$0 = X_0 + 6t$

(5,6)
(6,0)

$$m = \frac{y_2 - y_1}{x_2 - x_1} = \frac{0-6}{6-5} = \frac{-6}{1} = -6$$

$t = 6\,s$