

PRUEBA 1.

FELIPE MUÑOZ

2ºD

1- a) GRUPO 1

HOMBRES		MUJERES	
CONDUCTORES	NO CONDUCTORES	CONDUCTORES	NO CONDUCTORES
2	$w = 4$	2	$z = 2$

TOTAL grupo 1 $\rightarrow x = 10$

$$\cdot w + z = 6.$$

GRUPO 2

HOMBRES		MUJERES	
CONDUCTORES	NO CONDUCTORES	CONDUCTORES	NO CONDUCTORES
$A = 6$	$S = \frac{2x}{4} = \frac{y}{4}$	$B = 4$	5

TOTAL grupo 2 $\rightarrow y = 2x = 20$

$$\cdot A + B = 10.$$

b) MUJERES CONDUCTORAS $\rightarrow \left(\frac{6}{14} \right) \cdot 100 = 42,86\%$

c) $\frac{\text{NO CONDUCTORES}}{\text{CONDUCTORES}} = \frac{16}{14}$

d) HOMBRES NO CONDUCTORES $\rightarrow \left(\frac{9}{20} \right) \cdot 100 = 45\%$

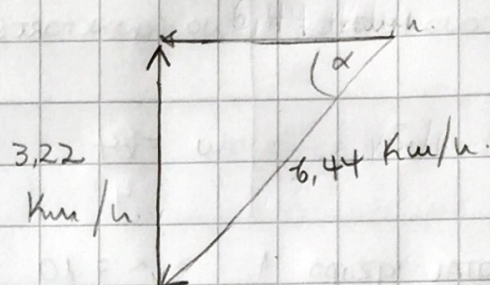
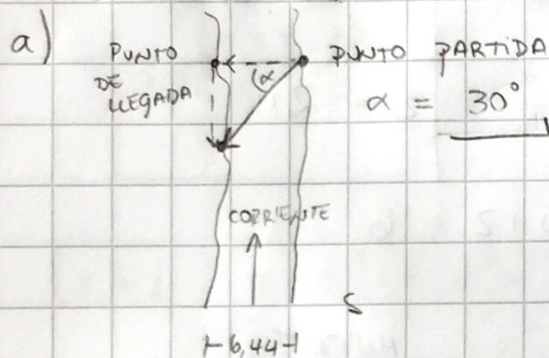
e) $\frac{\text{MUJERES NO CONDUCTORAS}}{\text{TOTAL MUJERES}} = \frac{7}{13}$

2-

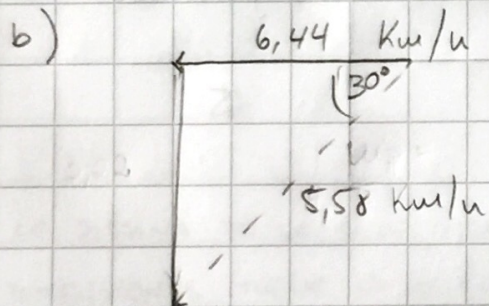
$$V_r = 6,44 \text{ Km/h.}$$

$$V_c = 3,22 \text{ Km/h}$$

$$V_{cc} = 3,22 \text{ Km/h.}$$



$$6,44 \times \cos(30^\circ) = 5,58 \text{ Km/h.}$$



$$t = \frac{6,44}{5,58}$$

$$t = 1,15 \text{ Hr.}$$

c) $t_1 + t_2 = t_r$

$$t_1 = \frac{d}{V} = \frac{3,22 \text{ Km}}{(6,44 + 3,22) \text{ Km/h.}} = 0,33 \text{ hr.}$$

$$t_2 = \frac{d}{V} = \frac{3,22 \text{ Km}}{(3,22) \text{ Km/h.}} = 1 \text{ hr.}$$

$$t_1 + t_2 = t_r$$

$$0,33 \text{ hr} + 1 \text{ hr} = t_r$$

$$1,33 \text{ hr} = t_r$$

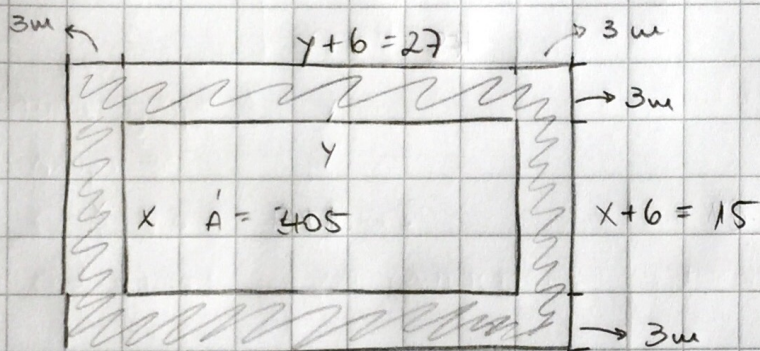
3.-

$$y = 21$$

$$\frac{y}{x} = \frac{7}{3} = \frac{21}{x} \rightarrow x = 9 \text{ m.}$$

$$a = x$$

$$A' = 189$$



$$\Delta A' = 405 - 189$$

$$\Delta A' = 216 \text{ m}^2 \rightarrow \text{ZONA QUE SE PINTA.}$$

(1 MANO).

$$1 \text{ galón} \rightarrow 10 \text{ m}^2$$

$$x \text{ galón} \rightarrow 216 \text{ m}^2$$

$$x = 21,6 \text{ GALONES}$$

(2 MANO)

$$21,6 \text{ GALONES} \rightarrow 1 \text{ MANO}$$

$$x \text{ galón} \rightarrow 2 \text{ MANOS}$$

$$x = 43,2 \text{ GALONES.}$$