

Prueba 1 M.S.

Diego Lynch 2C.

1)

a)

GRUPO 1	GRUPO 2
MC = 2	MC = 4
MNC = 2	MNC = 5
HC = 2	HC = 6
HNC = 4	HNC = 5
Total = 10	Total = 20

b) conductores

$$4 + 10 = 14$$

$$14 \rightarrow 100\%$$

$$MC = 6$$

$$6 \rightarrow x$$

$$x = 42,86\%$$

c) no conductores =
conductores

$$\frac{10}{14}$$

$$= \frac{8}{7} = 8:7$$

d) GRUPO 2 = 20

$$20 \rightarrow 100\%$$

$$H.N.C = 9$$

$$9 \rightarrow x$$

$$x = 45\%$$

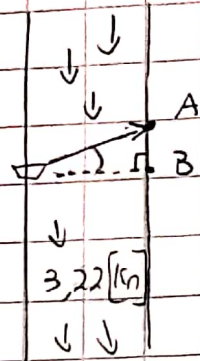
e) MNC =
Total n =

$$\frac{7}{13}$$

$$= 7:13$$

2)

a)



Debe apuntar el
bote en dirección al
Punto A con un
ángulo de 30°

$$\text{Sen} = \frac{3,22}{6,44} = 0,5 \quad \text{arc sen} = 30^\circ //$$

$$b) |\vec{V}| = \sqrt{6,44^2 - 3,22^2} = 5,58 \quad \cos 30 = 6,44$$

$$V = \frac{d}{t} \quad \text{tiempo} = \frac{6,44}{5,58} = 1,15 \text{ [h]} //$$

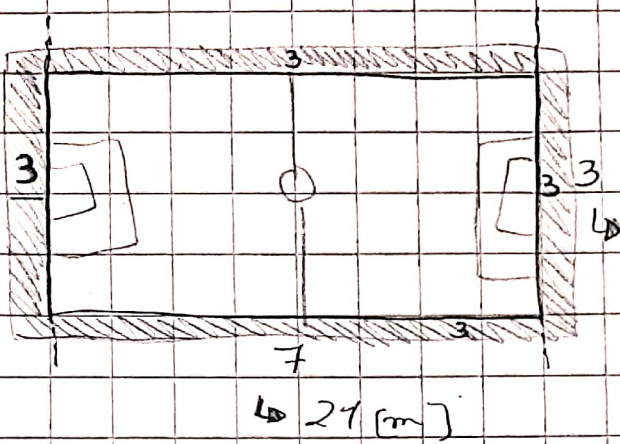
$$c) 1) \frac{3,22}{3,22 + 6,44} = 0,33 \text{ [h]}$$

$$2) \frac{3,22}{6,44 - 3,22} = 1 \text{ [h]}$$

$$\text{Total } 1,33 \text{ [h]} //$$

3)

a)



$$b) \begin{array}{l} A_{\text{grande}} - A_{\text{chica}} \\ 27 \cdot 15 - 21 \cdot 9 \end{array} = 216 \text{ m}^2$$

$$c) \frac{216}{10} = 21,6 : 2 = 43,2 // \text{ se necesitaron } 44 \text{ galones}$$