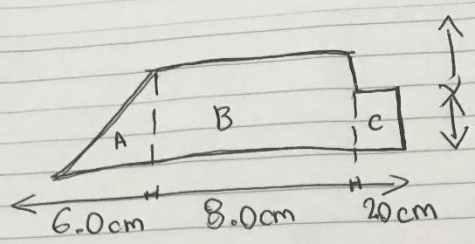
23/07/2020



Area de un triangulo:

$A = \frac{b * h}{2} = \frac{6\,cm * 4.0cm}{2} = A = \frac{24.cm^2}{2} = 12.0\,cm^2$

Area de un rectangulo:

$A = b * h = A = 8.0\,cm * 4.0cm \quad A2 = 32.0\,cm^2$

Area de un cuadrado

$A = l^2 \quad A = (2.0\,cm)^2 \quad A = 4.0\,cm^2$

Area total =

$AT = 12.0 + 32.0 + 4.0 = 48.0\,cm^2$

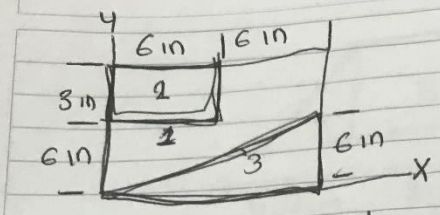


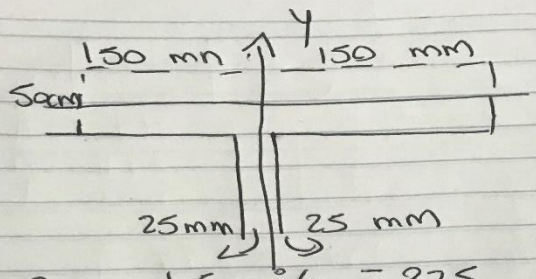
Figura	area	$\bar{x}_i$	$\bar{y}_i$	$A\bar{x}_i$	$A\bar{y}_i$
1	108	6	4.5	648	486
2	-18	3	7.5	-54	-135
3	-36	8	2	-288	-72

$\Sigma A =$ $\Sigma A\bar{x}_i =$ $\Sigma A\bar{y}_i =$

Rotación de ejes

$$Ax^2 + By^2 + Cx + Cy + E = 0$$

$$Ax^2 + Bxy + Cy^2 + Dx + Eyf = 0$$



$300 + 50 / 2 = 325$

$300 / 2 = 150$

$300 \times 50 = 13,00$

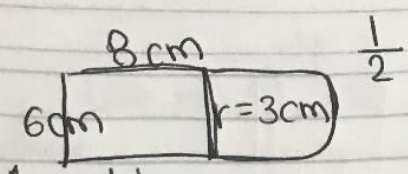
$300 \times 50 = 15,00$

$4875,000$

$2,250,000$

$7,225,00$

$$y = \frac{\Sigma (y \times A)}{\Sigma A} = \frac{7,125,000}{30,000} = 237.5$$



$\frac{1}{2}$

$A = bh$

$A = \pi r^2$

A= Largo x ancho

$A = bh + \frac{1}{2}\pi r^2$ $\quad \frac{\pi r^2}{2}$

$A = 8 \times 6 + \frac{1}{2} \times 3.14 \times 3^2$

$A = 48 + \frac{1}{2} \times 3.14 \times 9$

$A = 48 + 14.13$

$A = 62.13\ Cm^2$