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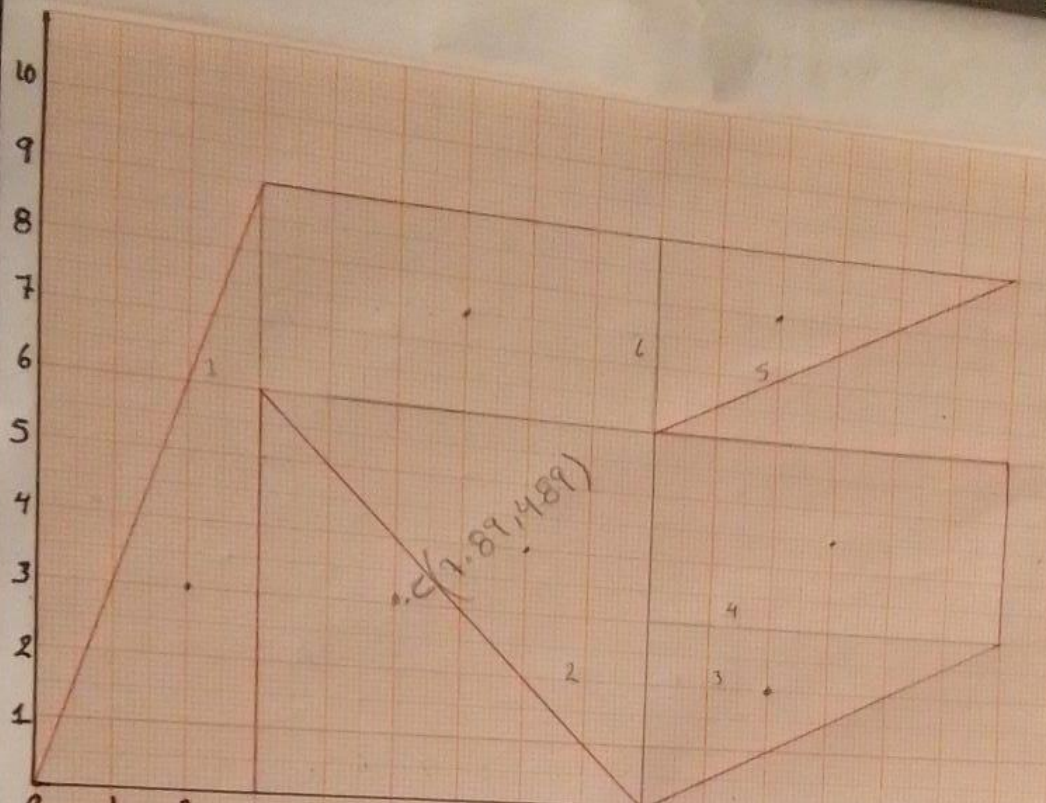
**Nombre del profesor: Arq.: Abel estrada dichi**

**Nombre del trabajo: centroides**

**Materia: estática para la arquitectura**

**Grado: 3°**

**Grupo: Arquitectura**



6  $A_6 = B \times h$   
 $A_6 = 6 \times 3$   
 $A_6 = 18 \text{ U}^2$   
 $C_6 = (6, 7.5)$

1 $A_1 = \frac{B \times h}{2}$ $A_1 = \frac{3 \times 9}{2}$ $A_1 = 13.5 \text{ U}^2$ $C_1 = (2, 3)$	2 $A_2 = \frac{B \times h}{2}$ $A_2 = 6 \times 6$ $A_2 = 18 \text{ U}^2$ $C_2 = (7, 4)$	3 $A_3 = \frac{B \times h}{2}$ $A_3 = 6 \times 3$ $A_3 = 9 \text{ U}^2$ $C_3 = (11, 2)$	4 $A_4 = B \times h$ $A_4 = 6 \times 3$ $A_4 = 18 \text{ U}^2$ $C_4 = (12, 4.5)$	5 $A_5 = \frac{B \times h}{2}$ $A_5 = 6 \times 3$ $A_5 = 9 \text{ U}^2$ $C_5 = (11, 8)$
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$$x_C = \frac{(13.5 \times 2) + (18 \times 7) + (9 \times 11) + (18 \times 12) + (9 \times 11) + (18 \times 6)}{(13.5 + 18 + 9 + 18 + 9 + 18)}$$

$x_C = 7.89$

$$y_C = \frac{(13.5 \times 3) + (18 \times 4) + (9 \times 2) + (18 \times 4.5) + (9 \times 8) + (18 \times 7.5)}{(13.5 + 18 + 9 + 18 + 9 + 18)}$$

$y_C = 4.89$

$C = (7.89, 4.89)$