



Nombre de alumno:

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Nombre del profesor:

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Nombre del trabajo:

Centroides.

Materia:

Estática para la arquitectura

Grado:

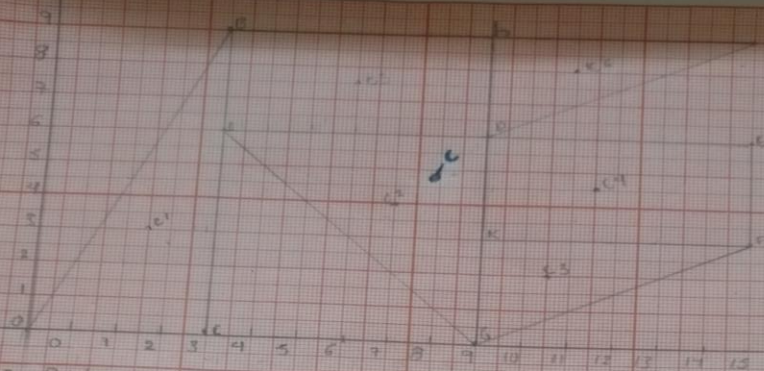
3 cuatrimestre.

Grupo:

A

Grupo:

Lic. En arquitectura



$$\begin{aligned}
 A_1 &= \frac{B \times h}{2} & A_2 &= \frac{B \times h}{2} & A_3 &= \frac{B \times h}{2} & A_4 &= B \times h & A_5 &= B \times h \\
 A_1 &= \frac{3 \times 9}{2} & A_2 &= \frac{6 \times 6}{2} & A_3 &= \frac{6 \times 3}{2} & A_4 &= 6 \times 3 & A_5 &= 6 \times 3 \\
 A_1 &= 13.5 \text{ u}^2 & A_2 &= 18 \text{ u}^2 & A_3 &= 9 \text{ u}^2 & A_4 &= 18 \text{ u}^2 & A_5 &= 18 \text{ u}^2 \\
 C_1 &= (2, 8) & C_2 &= (7, 4) & C_3 &= (11, 2) & C_4 &= (11, 4.5) & C_5 &= (6, 7.5) \\
 A_6 &= B \times h & & & & & & & & \\
 A_6 &= \frac{6 \times 3}{2} & & & & & & & & \\
 A_6 &= 9 \text{ u}^2 & & & & & & & & \\
 C_6 &= (11, 8) & & & & & & & &
 \end{aligned}$$

$$X_c = A_1 X_1 + A_2 X_2 + A_3 X_3 + A_4 X_4 + A_5 X_5 + A_6 X_6$$

$$A_1 + A_2 + A_3 + A_4 + A_5 + A_6$$

$$X_c = \frac{(13.5 \times 2) + (18 \times 7) + (9 \times 11) + (18 \times 11) + (18 \times 6) + (9 \times 11)}{13.5 + 18 + 9 + 18 + 18 + 9}$$

$$X_c = 7.68$$

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

$$Y_c = 4.89$$