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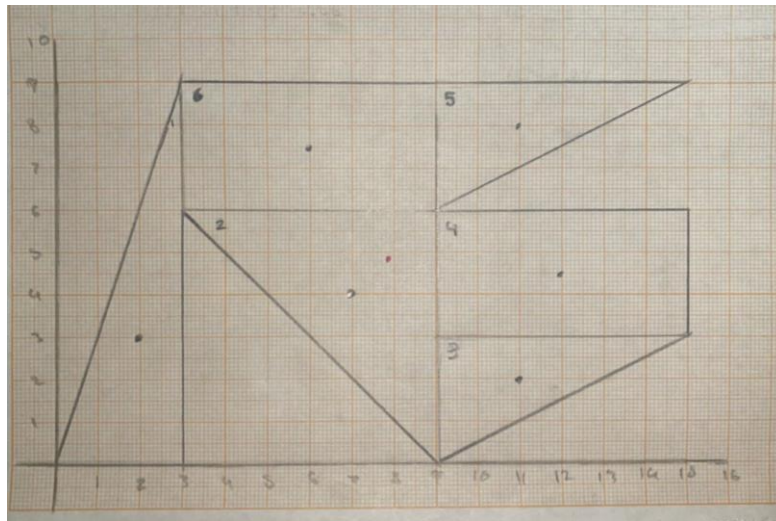
**Nombre del trabajo: Centroides**

**Materia: Estática para la arquitectura**

**Grado: 3°**

**Grupo: Arquitectura**

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$$A_1 = \frac{B \times A}{2}$$

$$A_1 = \frac{3 \times 0}{2}$$

$$A_1 = \frac{27}{2} = 13.5 \text{ u}^2$$

$$C_1 = (2, 3)$$

$$A_6 = B \times A$$

$$A_6 = 6 \times 3$$

$$A_6 = 18$$

$$C_6 = (6, 7.5)$$

$$A_2 = \frac{B \times A}{2}$$

$$A_2 = \frac{6 \times 6}{2}$$

$$A_2 = \frac{36}{2} = 18 \text{ u}^2$$

$$C_2 = (7, 4)$$

$$X_C = (13.5 \cdot 2) + (18 \cdot 7) + (9 \cdot 11) + (18 \cdot 12) + (9 \cdot 11) + (18 \cdot 6)$$

$$13.5 + 18 + 9 + 18 + 9 + 18$$

$$A_3 = \frac{B \times A}{2}$$

$$A_3 = \frac{6 \times 3}{2}$$

$$A_3 = -18 = 9 \text{ u}^2$$

$$C_3 = (11, 2)$$

$$X_C = 7.89$$

$$Y_C = (13.5 \cdot 3) + (18 \cdot 9) + (9 \cdot 7) + (18 \cdot 4.5) + (9 \cdot 8) + (18 \cdot 7.5)$$

$$13.5 + 18 + 9 + 18 + 9 + 18$$

$$A_4 = B \times A$$

$$A_4 = 6 \times 3$$

$$A_4 = 18 \text{ u}^2$$

$$C_4 = (12, 4.5)$$

$$Y_C = 4.89$$

$$A_5 = \frac{B \times A}{2}$$

$$A_5 = \frac{6 \times 3}{2}$$

$$A_5 = \frac{18}{2} = 9 \text{ u}^2$$

$$C_5 = (11, 8)$$