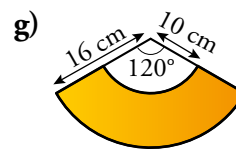
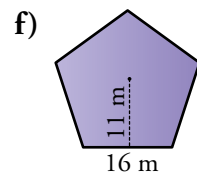
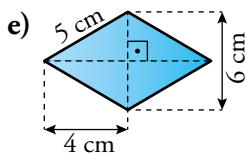
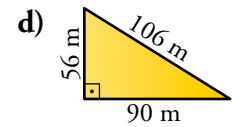
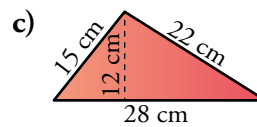
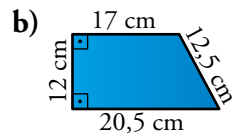
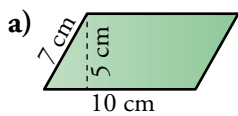


Autoevaluación

1. Calcula el área y el perímetro de cada una de las siguientes figuras:



a) $A = 10 \cdot 5 = 50 \text{ cm}^2$; $P = 2 \cdot 7 + 2 \cdot 10 = 34 \text{ cm}$

b) $A = \frac{20,5 + 17}{2} \cdot 12 = 225 \text{ cm}^2$; $P = 12 + 17 + 12,5 + 20,5 = 62 \text{ cm}$

c) $A = \frac{28 \cdot 12}{2} = 168 \text{ cm}^2$; $P = 15 + 22 + 28 = 65 \text{ cm}$

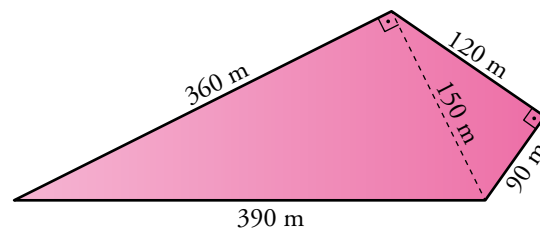
d) $A = \frac{90 \cdot 56}{2} = 2520 \text{ m}^2$; $P = 56 + 106 + 90 = 252 \text{ m}$

e) $A = \frac{6 \cdot 8}{2} = 24 \text{ cm}^2$; $P = 5 \cdot 4 = 30 \text{ cm}$

f) $A = \frac{5 \cdot 16 \cdot 11}{2} = 440 \text{ m}^2$; $P = 16 \cdot 5 = 80 \text{ m}$

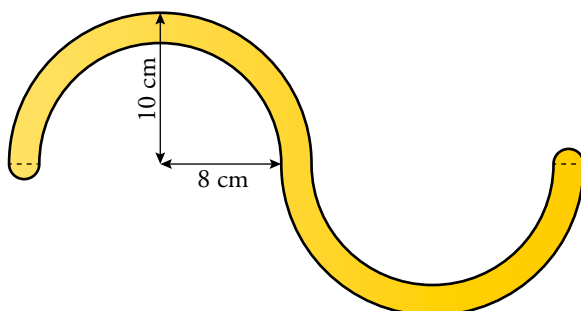
g) $A = (\pi \cdot 16^2 - \pi \cdot 10^2) \cdot \frac{120}{360} \approx 163,36 \text{ cm}^2$; $P = \frac{2 \cdot \pi \cdot 16}{3} + \frac{2 \cdot \pi \cdot 10}{3} + 2 + 6 \approx 66,45 \text{ cm}$

2. Calcula el área de este campo:



$$A = \frac{360 \cdot 150}{2} + \frac{120 \cdot 90}{2} = 32400 \text{ m}^2$$

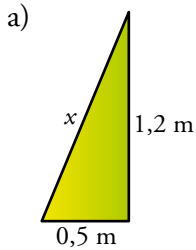
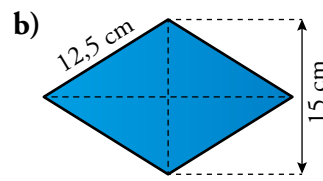
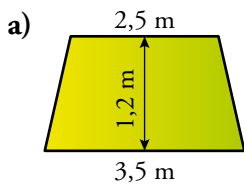
3. Halla el área y el perímetro de esta figura:



$$A = \pi \cdot 10^2 - \pi \cdot 8^2 + \pi \cdot 1^2 = 116,18 \text{ cm}^2$$

$$P = 2\pi \cdot 10 + 2\pi \cdot 8 + 2\pi \cdot 1 = 119,32 \text{ cm}$$

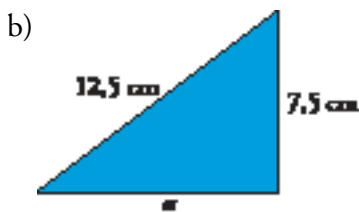
4. Halla el área y el perímetro de las siguientes figuras:



$$A = \frac{3,5 + 2,5}{2} \cdot 1,2 = 3,6 \text{ m}^2$$

$$x = \sqrt{0,5^2 + 1,2^2} = 1,3 \text{ m}$$

$$P = 1,3 + 2,5 + 3,5 + 1,3 = 8,6 \text{ m}$$

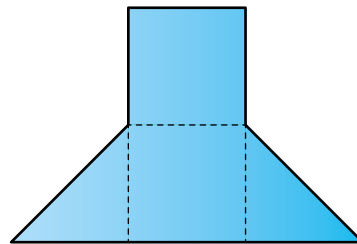


$$x = \sqrt{12,5^2 - 7,5^2} = 10 \text{ cm}$$

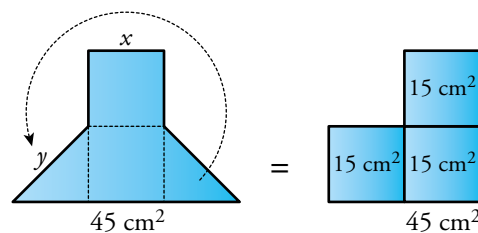
$$A = \frac{20 \cdot 15}{2} = 150 \text{ cm}^2$$

$$P = 4 \cdot 12,5 = 50 \text{ cm}$$

5. El área de la siguiente figura es 45 cm^2 . Calcula su perímetro.



El área de la figura es equivalente a 3 cuadrados de área 15 cm^2 cada uno:



Por tanto:

$$x = \sqrt{15} = 3,9 \text{ cm}$$

$$y = \sqrt{2 \cdot 3,9^2} = 5,5 \text{ cm}$$

Hallamos ahora el perímetro pedido:

$$P = 6 \cdot 3,9 + 2 \cdot 5,5 = 34,4 \text{ cm}$$