



Octógono = Cuadrado - 4 triángulos

$$10^2 = x^2 + x^2$$

$$10^2 = 2x^2$$

$$100 = 2x^2$$

$$x = \sqrt{50} \text{ m} \Rightarrow A_{\text{triángulo}} = \frac{\sqrt{50} \cdot \sqrt{50}}{2} = \frac{50}{2} = 25 \text{ m}^2$$

$$\text{lado del cuadrado es } 10 + \sqrt{50} + \sqrt{50} = 17,55 \text{ m}$$

$$A_{\text{cuadrado}} = 308,16 \text{ m}^2$$

$$\boxed{A_{\text{Octógono}} = 308,16 - 4 \cdot 25 = 308,16 - 100 = 208,16 \text{ m}^2}$$