

$$\sin \hat{B} = \frac{20}{25} = \frac{4}{5} \Rightarrow \hat{B} = \arcsin\left(\frac{4}{5}\right) \approx 36,8699^\circ$$

$$\hat{B} + \hat{C} = 90^\circ \Leftrightarrow \hat{C} = 90^\circ - 36,8699^\circ = 53,1301^\circ$$

Teorema de Pitagores

$$25^2 = 20^2 + c^2$$

$$625 - 400 = c^2$$

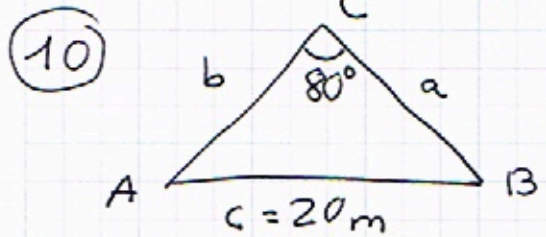
$$c^2 = 225$$

$$c = \sqrt{225} = \sqrt{3^2 5^2} = 3 \cdot 5 = 15m$$

\uparrow
 $c > 0$

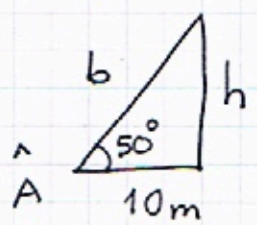
Per tant, $\hat{A} = 90^\circ, \hat{B} \approx 36,8699^\circ, \hat{C} \approx 53,1301^\circ$

$a = 25m, b = 20m, c = 15m$



isòsceles $\Rightarrow \left\{ \begin{array}{l} b = a \\ \hat{A} = \hat{B} \end{array} \right.$

$$\left. \begin{array}{l} \hat{A} + \hat{B} + \hat{C} = 180^\circ \\ \hat{A} = \hat{B} \\ \hat{C} = 80 \end{array} \right\} \Rightarrow \left. \begin{array}{l} \hat{A} + \hat{B} = 100 \\ \hat{A} = \hat{B} \end{array} \right\} \hat{A} = \hat{B} = 50^\circ$$



$$\operatorname{tg} 50^\circ = \frac{h}{10} \Leftrightarrow h = 10 \cdot \operatorname{tg} 50^\circ \approx 11,92m$$

$$\operatorname{cs} 50^\circ = \frac{10}{b} \Leftrightarrow b = \frac{10}{\operatorname{cs} 50^\circ} \approx 15,56m$$

$$\tilde{\text{Area}} = \frac{b \cdot h}{2} = \frac{15,56 \cdot 11,92}{2} = 92,74m^2$$

Per tant,

$$a = b = 15,56m, c = 20m, \tilde{\text{Area}} = 92,74m^2$$