

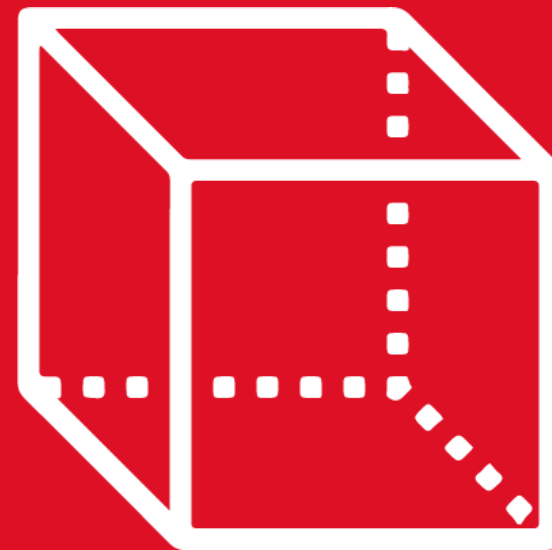
# GEOMETRÍA

## Capítulo 1

**3th**

SECONDARY

**Triángulos Rectángulos**  
**Notables**

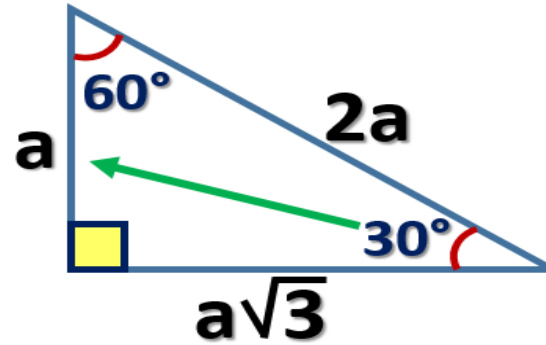
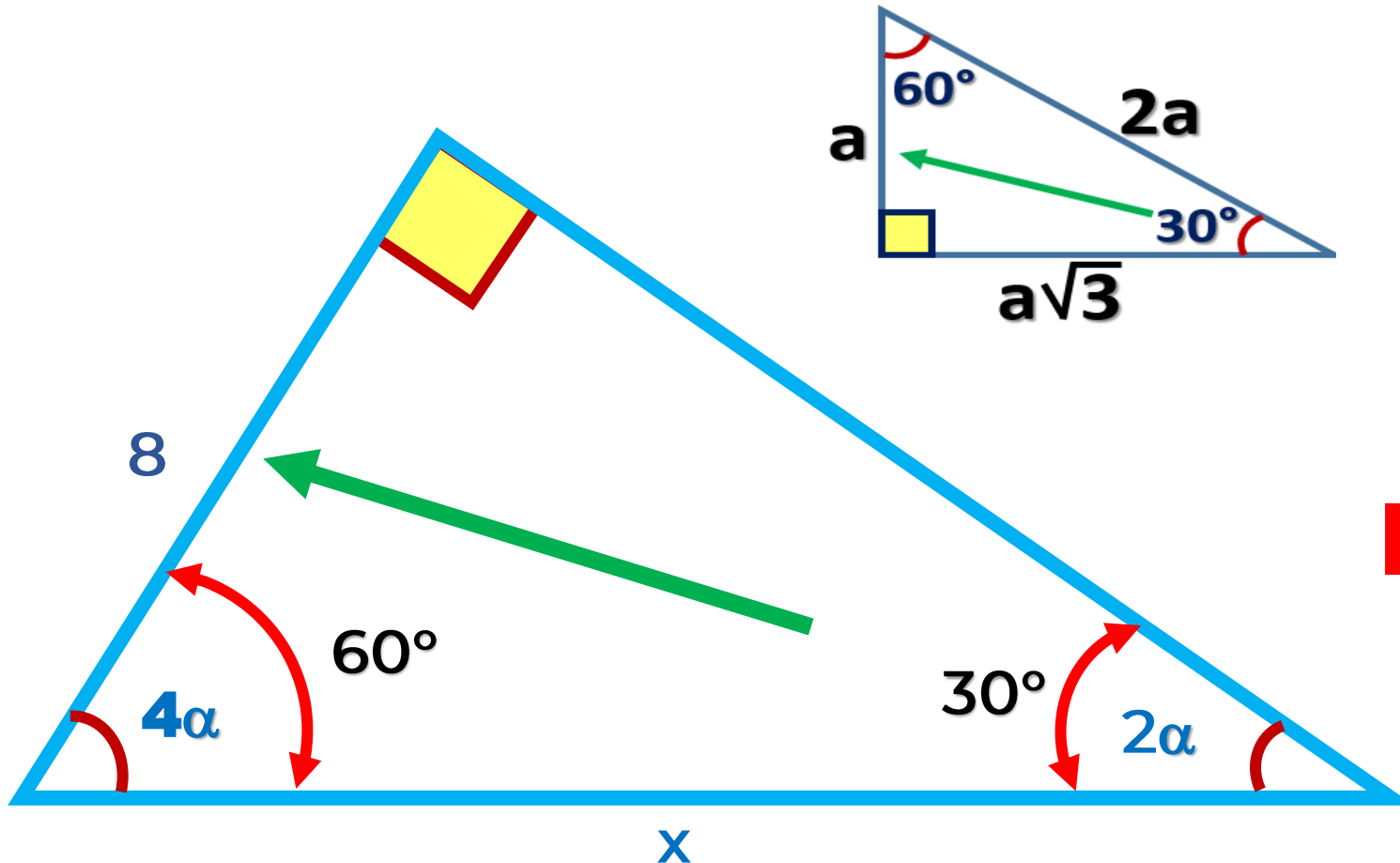


**Ses II**

 **SACO OLIVEROS**



1. Halle el valor de x.



$$2\alpha + 4\alpha = 90^\circ$$

$$6\alpha = 90^\circ$$

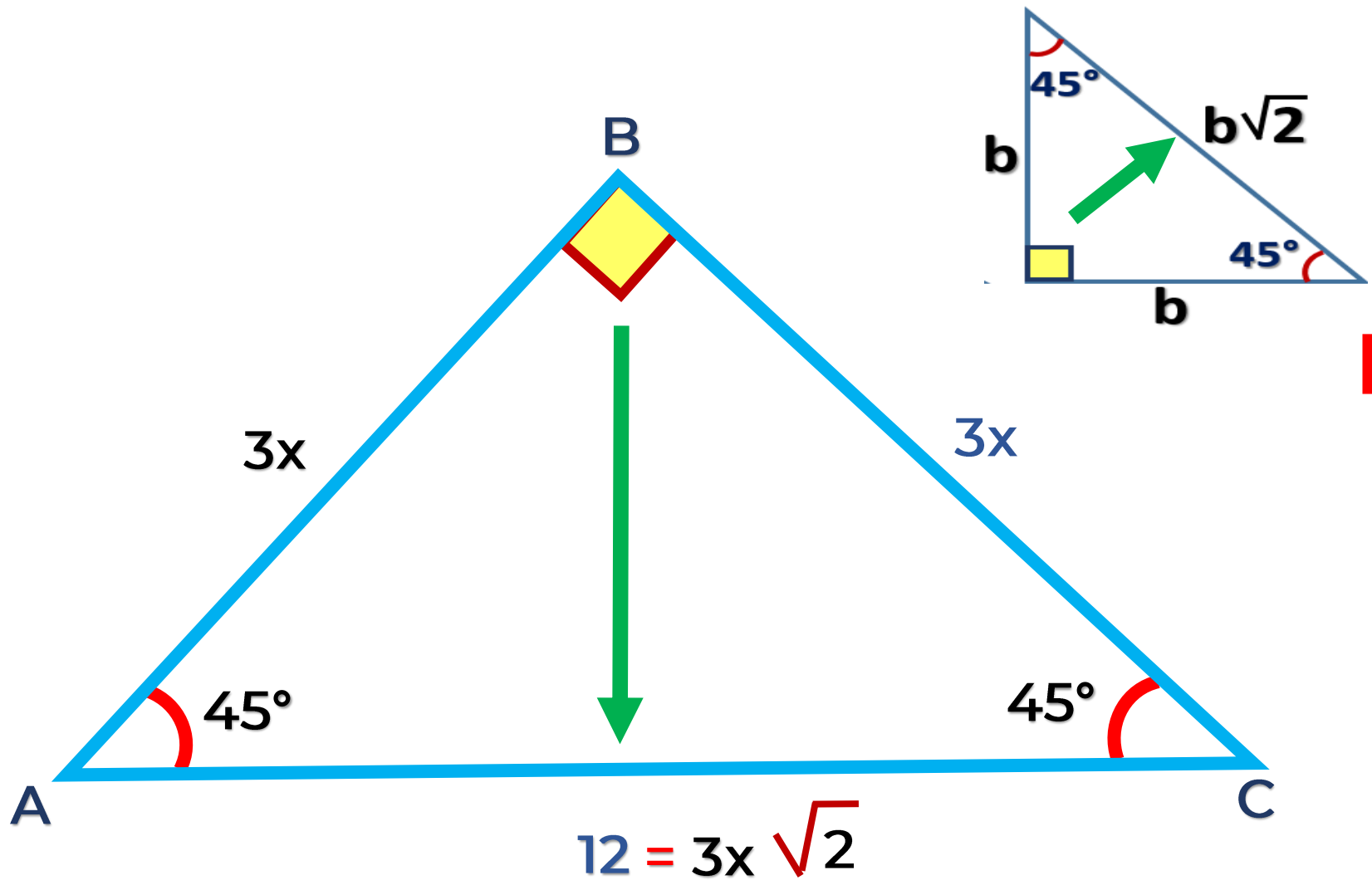
$$\alpha = 15^\circ$$



$$x = 2 ( 8 )$$

$$x = 16$$

2. Halle el valor de  $x$  si  $m\angle A = m\angle C$ .

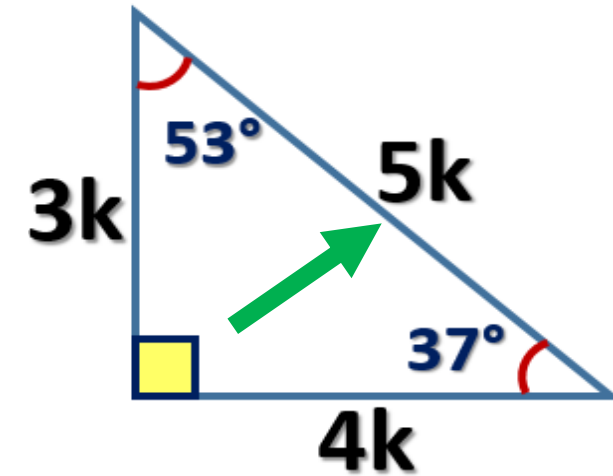
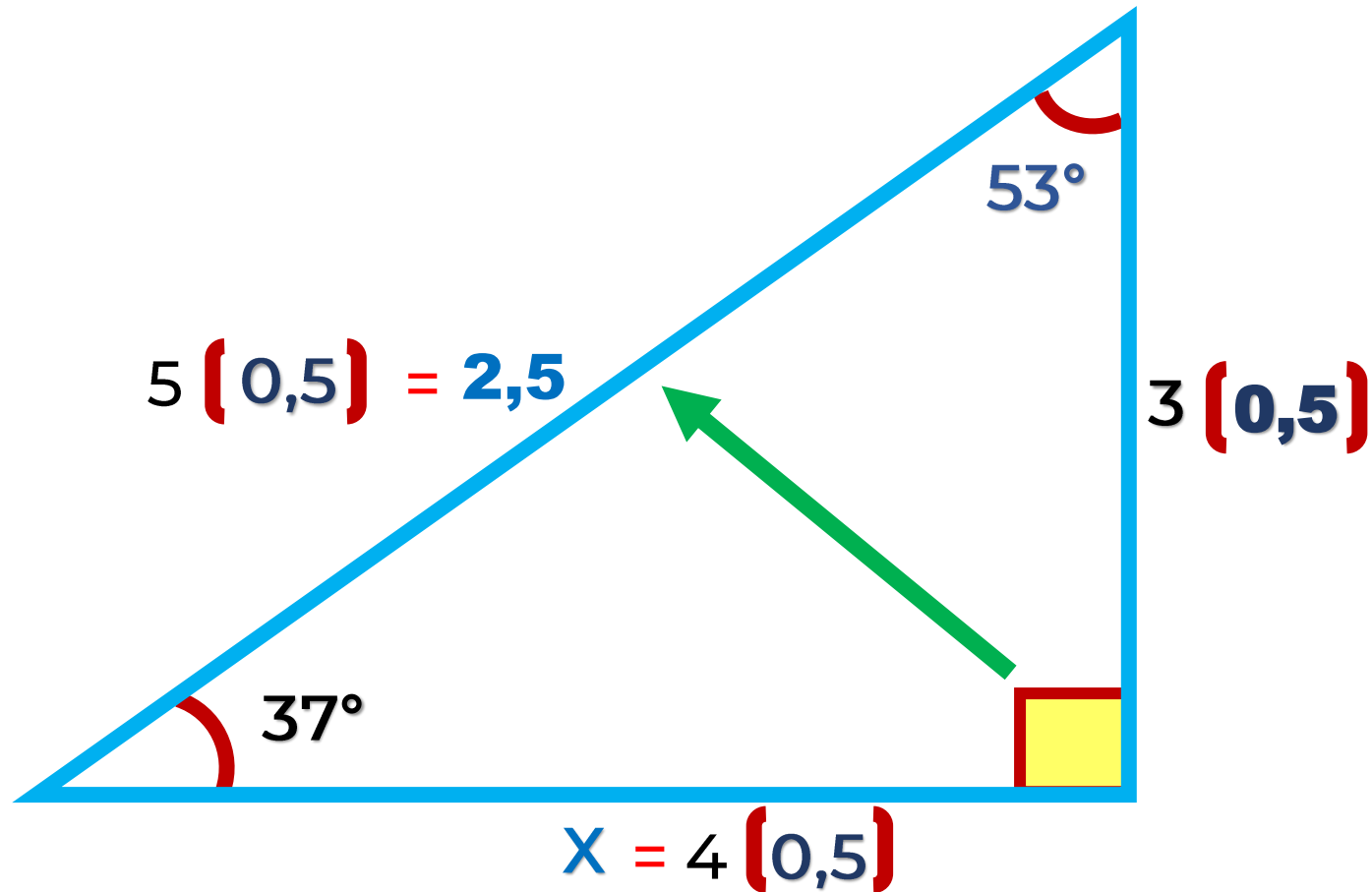


$$\begin{aligned}
 12 &= 3x\sqrt{2} \\
 4 &= x\sqrt{2} \\
 \frac{\sqrt{2} \cdot 4}{\sqrt{2}\sqrt{2}} &= x \\
 \frac{4}{2} &= x
 \end{aligned}$$

$x = 2\sqrt{2}$



## 3. Halle el valor de x.

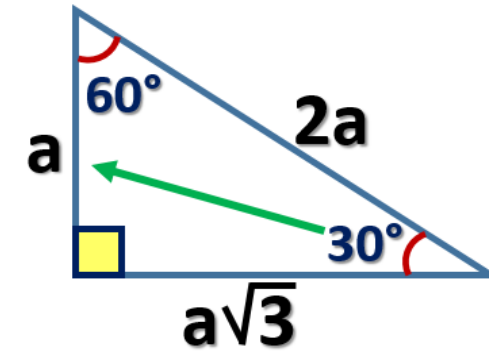
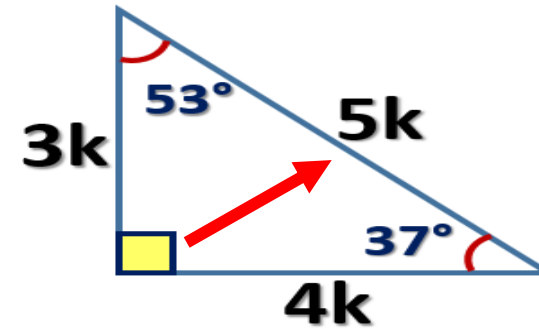
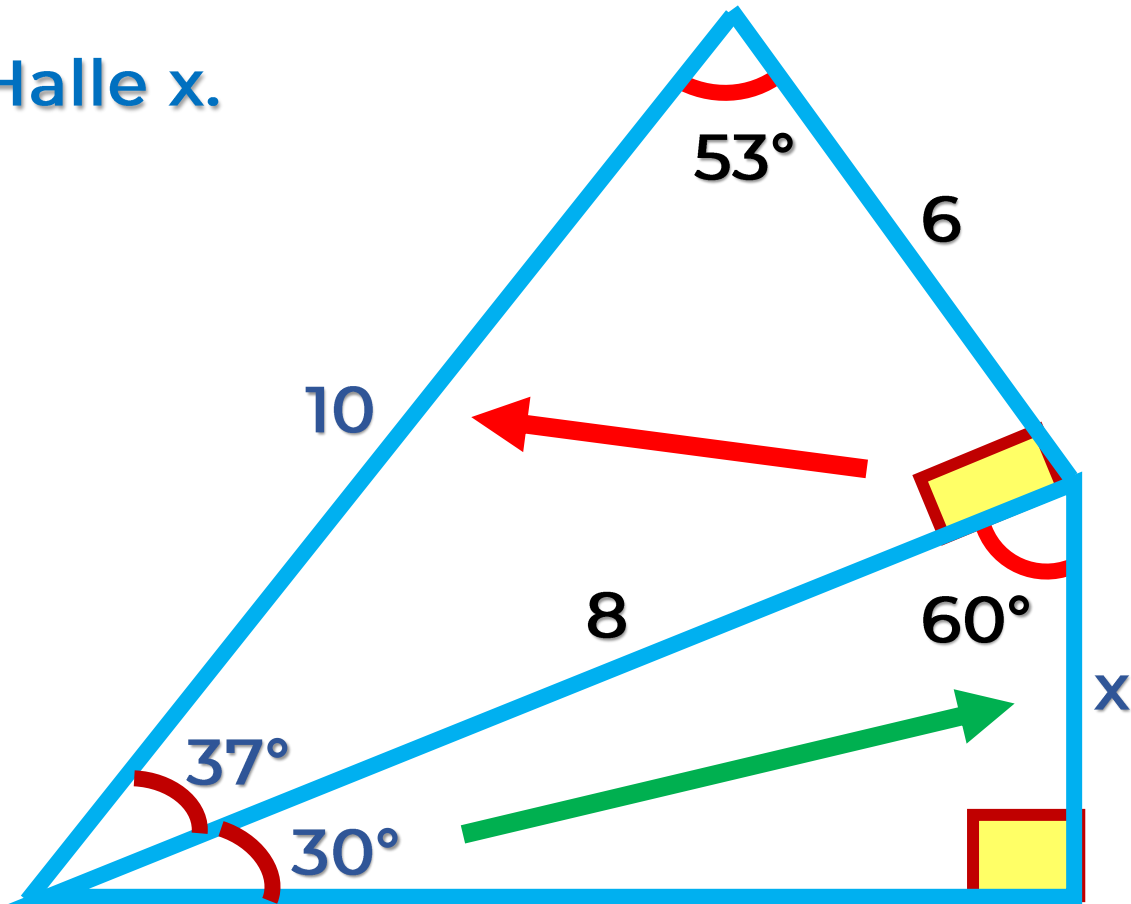


→  $x = 4(0,5)$

$x = 2$



#### 4. Halle x.

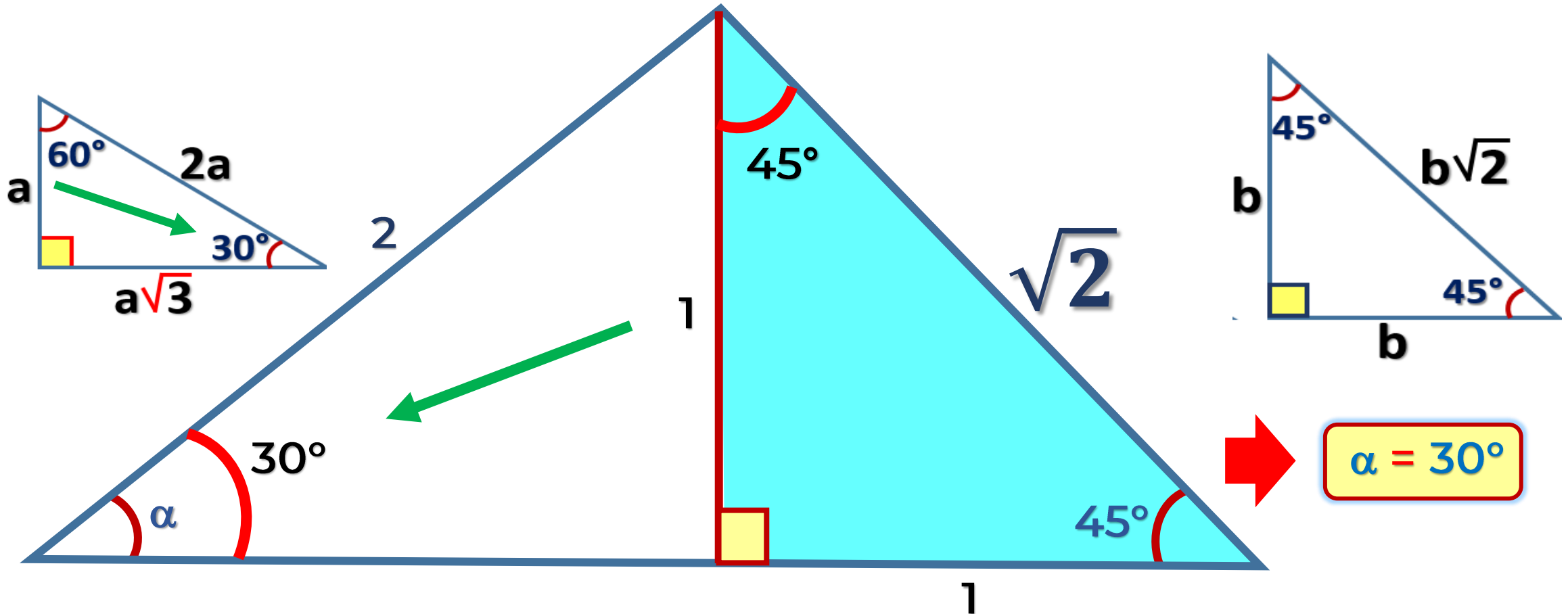


$$\Rightarrow x = \left( \frac{8}{2} \right)$$

$$x = 4$$

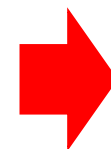
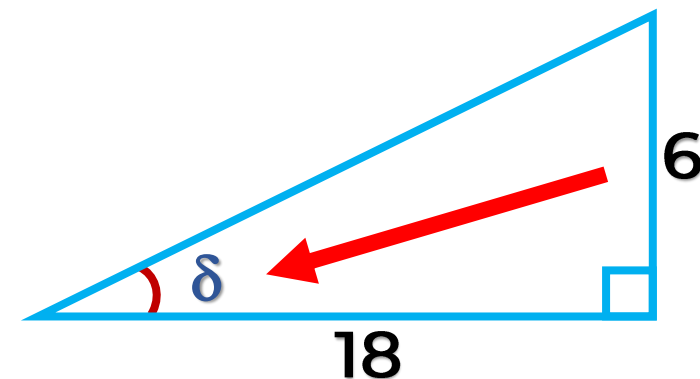
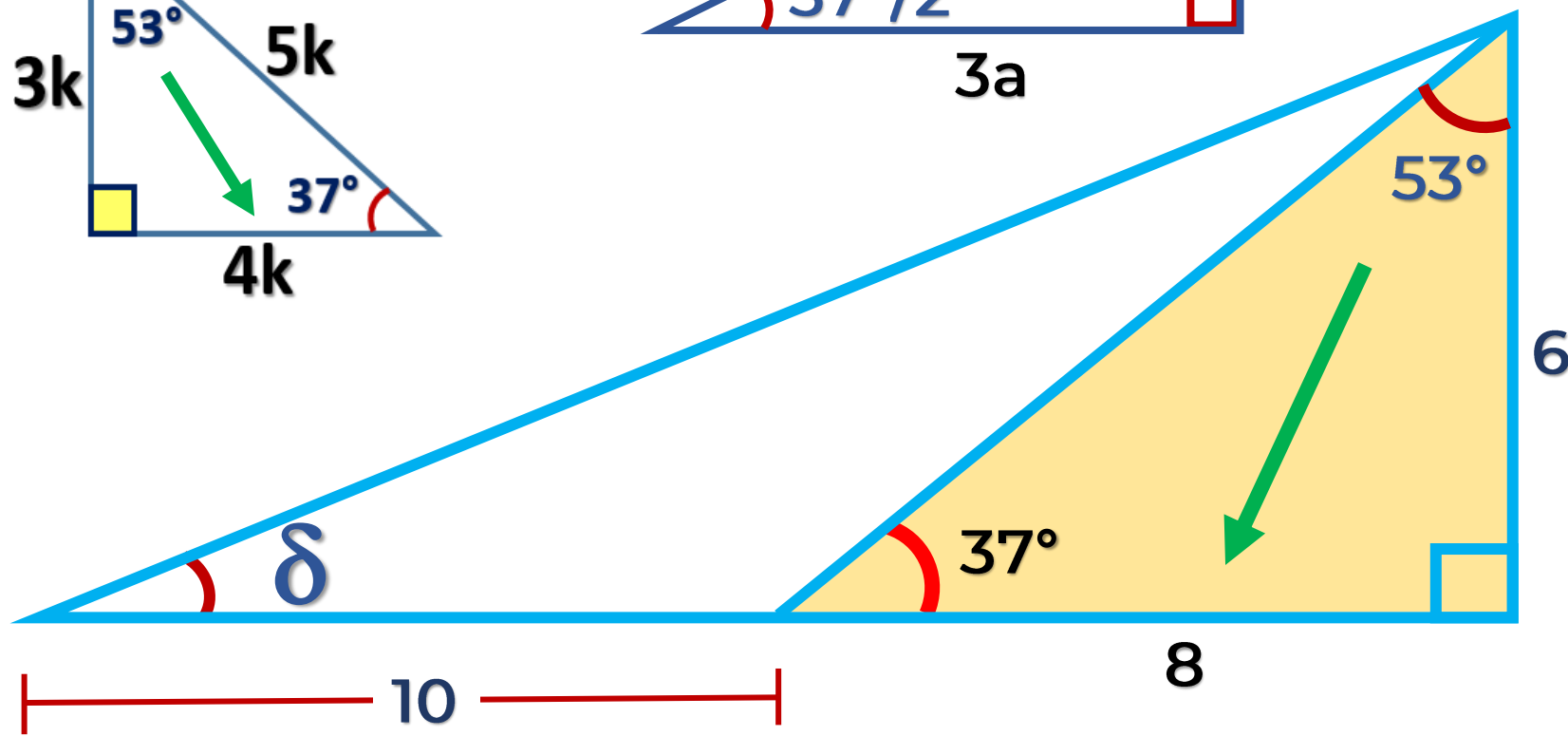
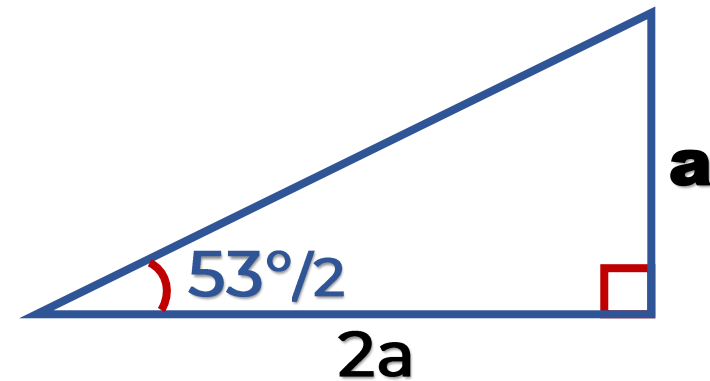
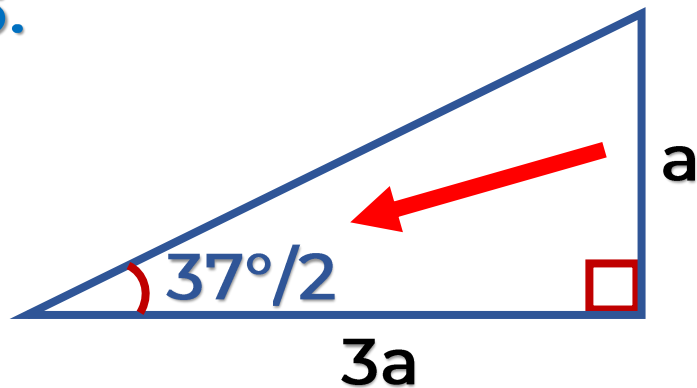
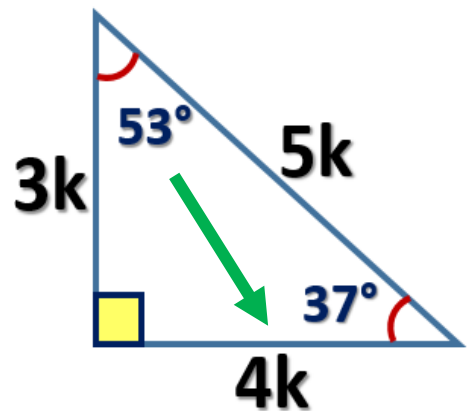


5. Halle el valor de  $\alpha$ .



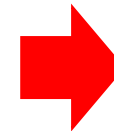
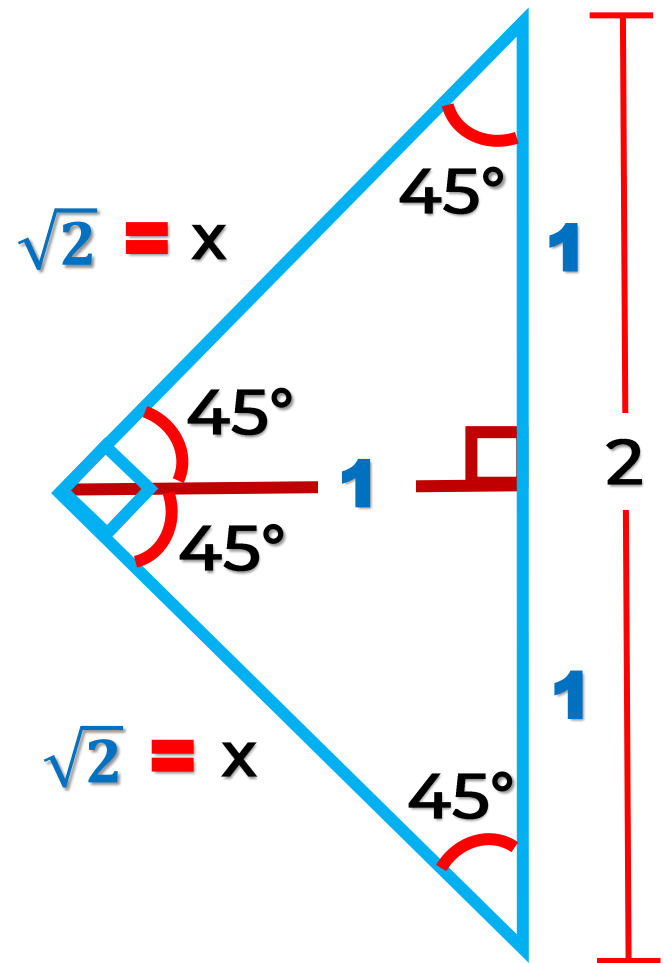
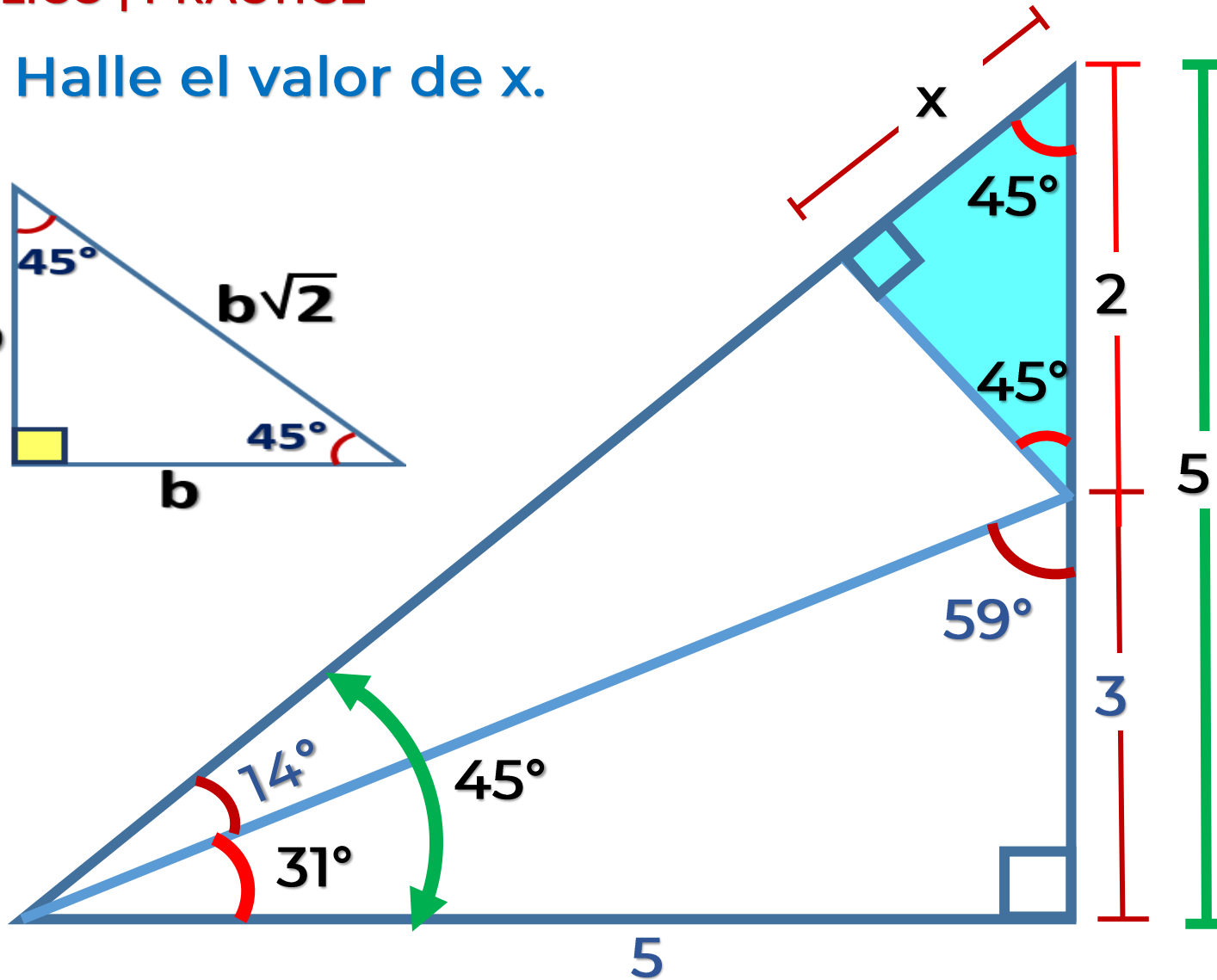
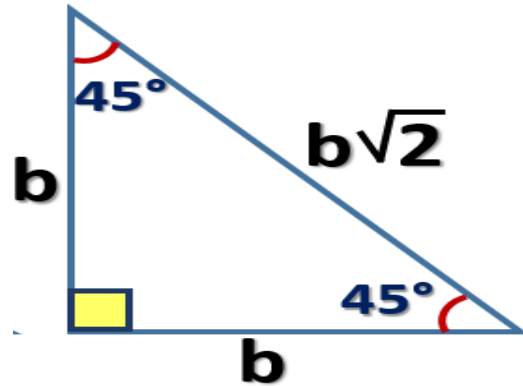


6. Halle el valor de  $\delta$ .



$$\delta = 37^\circ/2$$

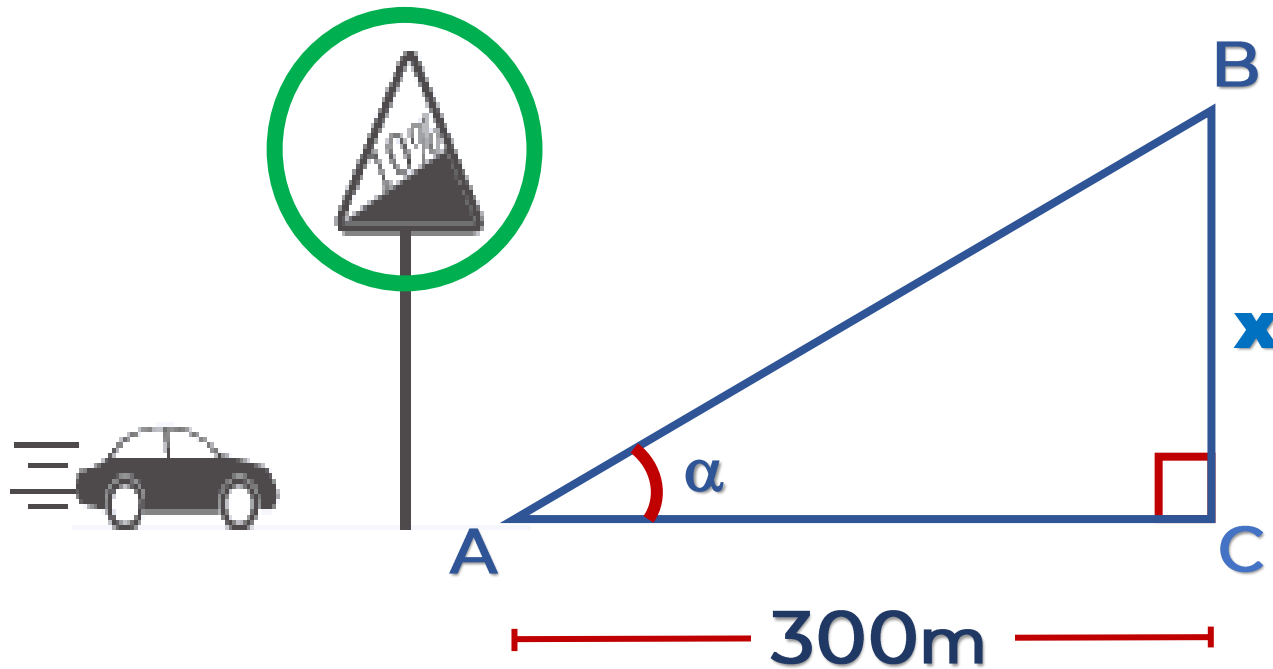
7. Halle el valor de  $x$ .



$$x = \sqrt{2}$$



8. Levidovich viaja en su automóvil desplazándose por una pista horizontal, cuando observa una señal de tránsito, tal como muestra el gráfico. Según ello, halle la altura  $x$  que salvará el vehículo en su recorrido desde A hasta B.



$$10\% \Leftrightarrow \frac{10}{100} = \frac{1}{10}$$

Por dato  $\frac{1}{10}$  = Del gráfico  $\frac{x}{300}$   
 $\text{Tg } \alpha = \frac{1}{10} = \frac{x}{300}$

$$300 = 10x$$

$$x = 30\text{m}$$