

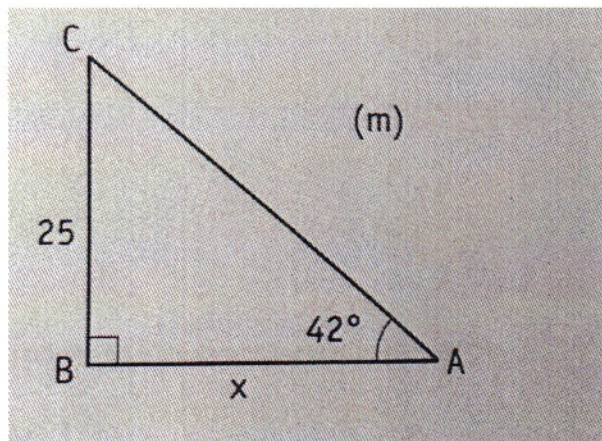
Heimaverkefni 4

Verkefni 7 fjárnám

Nafn: _____

1. (20%) Finndu lengd hliðarinnar x og sýndu útreikninga.

$$\frac{x \cdot \tan(42^\circ)}{\tan(42^\circ)} = \frac{25 \cdot x}{\tan(42^\circ)}$$
$$x = \frac{25}{\tan(42^\circ)} = 27,77$$

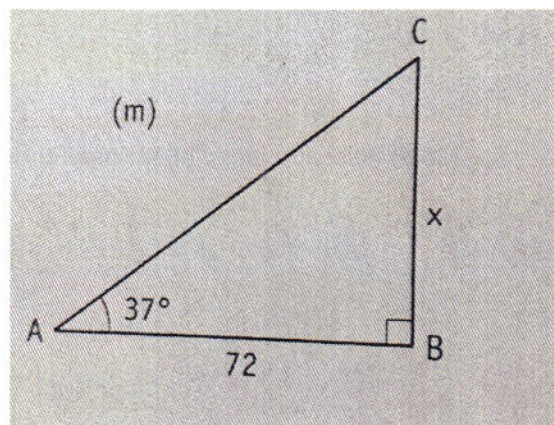


2. (20%) Finndu lengd hliðarinnar x og sýndu útreikninga.

$$72 \cdot \tan(37^\circ) = \frac{x}{72} \cdot 72$$

$$x = \tan(37^\circ) \cdot 72$$

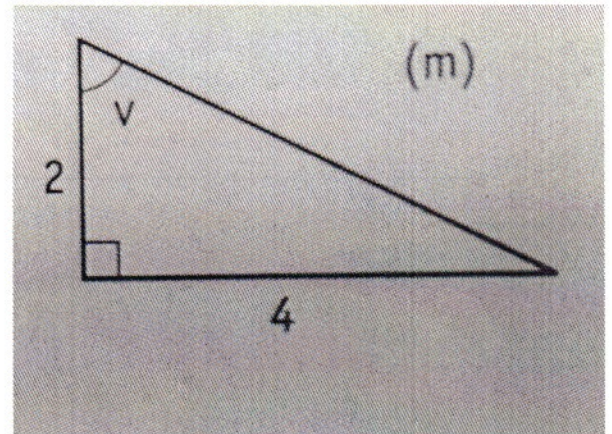
$$x = 54,26$$



3. (20%) Finndu stærð hornsins v og sýndu útreikninga.

$$\tan(v) = \frac{4}{2}$$

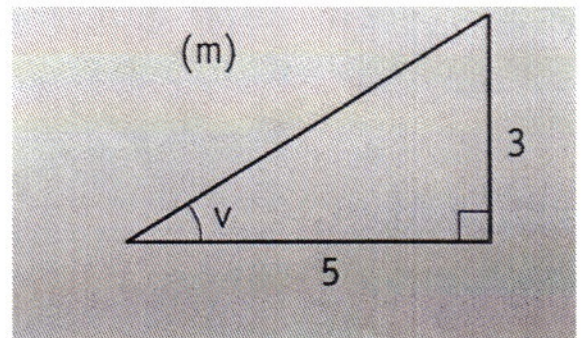
$$V = \tan^{-1}\left(\frac{4}{2}\right) = 63,43^\circ$$



4. (20%) Finndu stærð hornsins v og sýndu útreikninga.

$$\tan(v) = \frac{3}{5}$$

$$V = \tan^{-1}\left(\frac{3}{5}\right) = 30,96^\circ$$



5. (20%) Reiknaðu lengd hliðarinnar c . Hornið B er 23° . Sýndu útreikninga.

$$c \cdot \tan(23^\circ) = \frac{6}{\cancel{x}}$$

$$\cancel{x} \cdot \tan(23^\circ) = 6$$

$$c = \frac{6}{\tan(23^\circ)} = 14,14$$

