Maths

Mrs Dennett



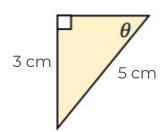
1. Fill in the blanks. Give final answers to one decimal place.

4 cm

5 cm

a)

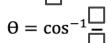
b)

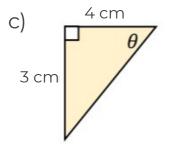


$$\sin \Theta = \Box$$

$$\Theta = \sin^{-1} \Box$$

cos θ = ___



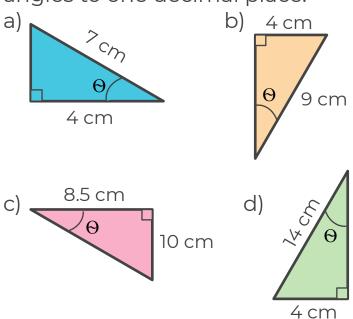


$$\tan \theta = \Box$$

$$\theta = \tan^{-1}\Box$$

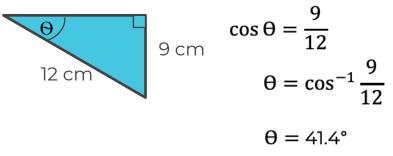


2. Calculate the size of the labelled angles to one decimal place.



3. Here is Jordan's method to find the missing angle, Θ .

Explain the mistake that he has made and correct his answer.





Answers



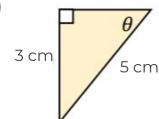
1. Fill in the blanks. Give final answers to one decimal place.

4 cm

5 cm

a)

b)



$$\sin \Theta = \frac{3}{5}$$

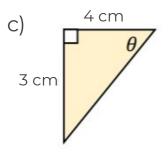
$$\Theta = \sin^{-1}\frac{3}{5}$$

$$\theta = 36.9^{\circ}$$

$$\cos \theta = \frac{4}{5}$$

$$\theta = \cos^{-1} \frac{4}{5}$$

$$\theta = 36.9^{\circ}$$



$$\tan \Theta = \frac{3}{4}$$

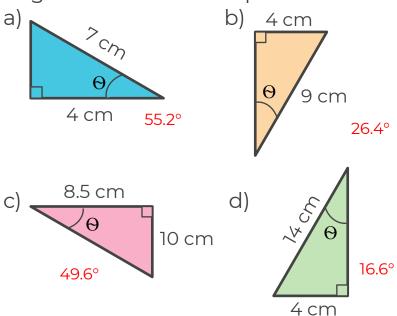
$$\Theta = \tan^{-1} \frac{3}{4}$$

$$\theta = 36.9^{\circ}$$



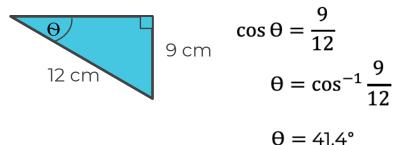


2. Calculate the size of the labelled angles to one decimal place.



3. Here is Jordan's method to find the missing angle, Θ .

Explain the mistake that he has made and correct his answer.



He used cos rather than sin.

$$\theta = 48.6^{\circ}$$

