Finding Unknown Angles

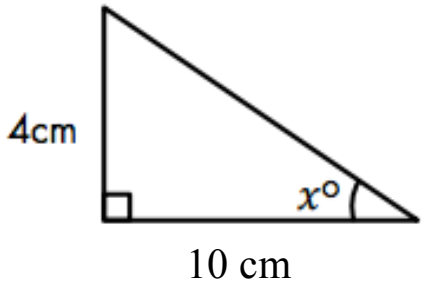
1 Using your calculator find the value of A to the nearest degree if

a) $\tan A = 0.7195$ b) $\sin A = 0.857$ c) $\cos A = 0.273$

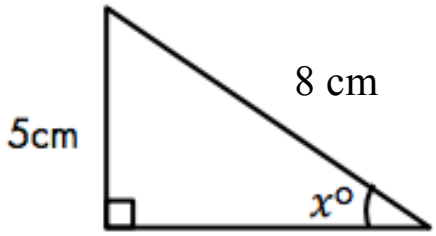
d) $\cos A = \frac{4}{9}$ d) $\tan A = \frac{3}{4}$ e) $\sin A = \frac{4}{7}$

2 Find the size of the angles marked x

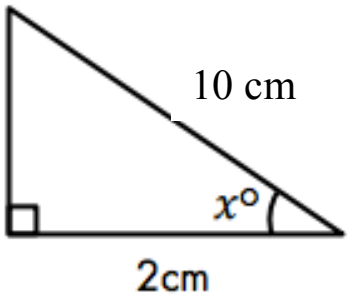
a)



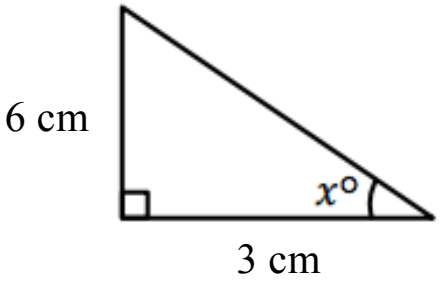
b)



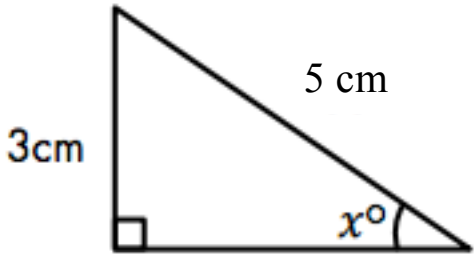
c)



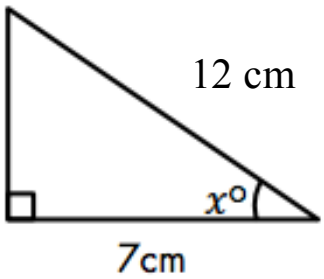
d)



e)



f)



3 A ladder reaches 15 metres up a vertical wall and it has its foot on level ground 6 metres from the base of the wall. Find the angle the ladder makes with the wall correct to the nearest degree.

4 A man skis 400 metres straight down an even slope and in so doing loses 54 metres in height. What angle (to the nearest degree) does the slope make with the vertical?

ANSWERS

Question 1