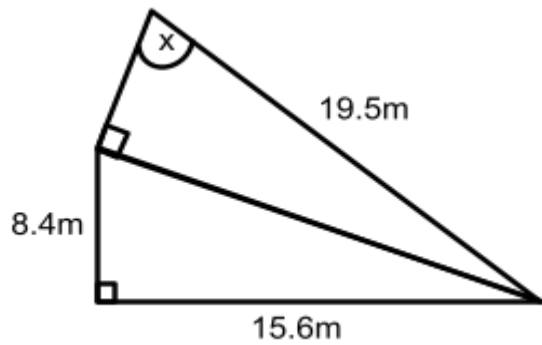


QT Combined Pythagoras & SohCahToa

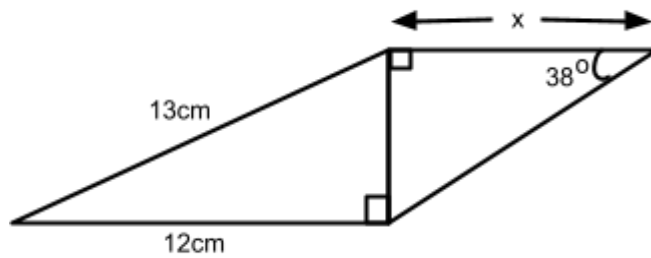
Calculator



1. The diagram shows two right angled triangles. Work out the size of angle x , giving your answer correct to 3 significant figures. (3 marks)



2. The diagram shows two right angled triangles. Work out the value of x . Give your answer correct to 1 decimal place. (3 marks)

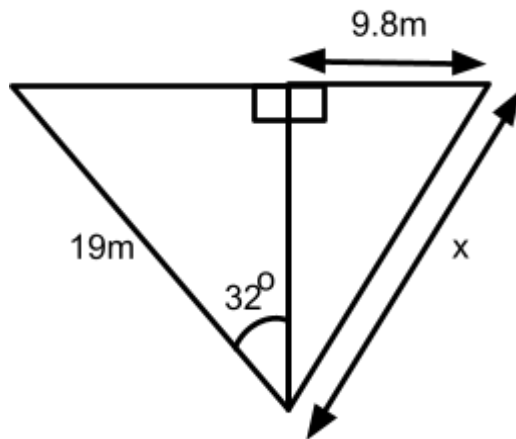


QT Combined Pythagoras & SohCahToa

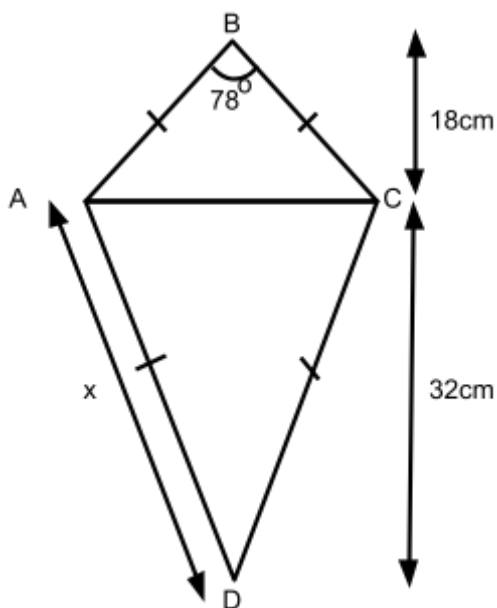
Calculator



3. The diagram shows two right angled triangles. Work out the value of side x . Give your answer correct to 1 decimal place. (3 marks)



4. ABCD is a kite. Find the length AD. Give your answer to 3 significant figures. (3 marks)



QT Combined Pythagoras & SohCahToa

Calculator

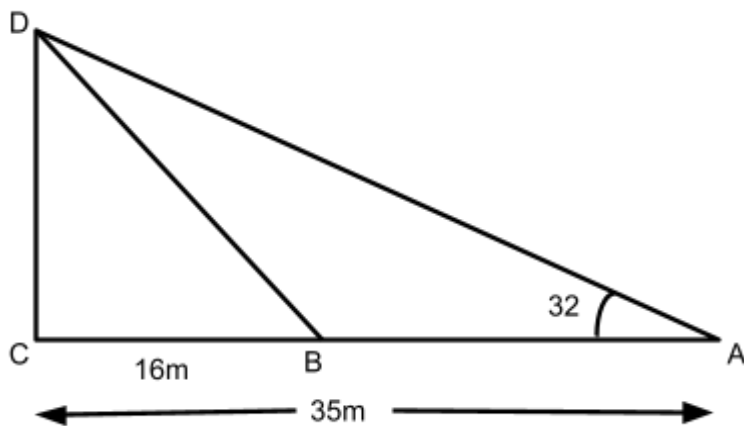


5. The diagram shows a swimming pool water slide AD, with a supporting metal line DB and ladder DC. The angle of the slide is 32° , points ABC are in a straight line on the ground, DC is vertical.

(a) Work out the height of ladder DC in metres. Give your answer correct to 3 significant figures. (2 marks)

(b) Work out the length of the water slide AD. Give your answer correct to 3 significant figures. (2 marks)

(c) Work out the size of the angle of elevation of D from B. Give your answer correct to 3 significant figures. (2 marks)



QT Combined Pythagoras & SohCahToa

Calculator



6. The diagram shows two right angled triangles.
Length AB = length BC
Work out the value of side x.
Give your answer correct to 1 decimal place. (3 marks)

