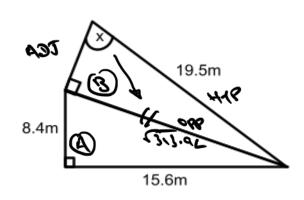
Calculator



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)



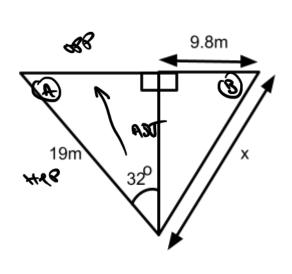
2. The diagram shows two right angled triangles. Work out the value of x. Give your answer correct to 1 decimal place. (3 marks)

13cm
$$\frac{3}{3}$$
 $\frac{3}{3}$ $\frac{3}{3}$

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)

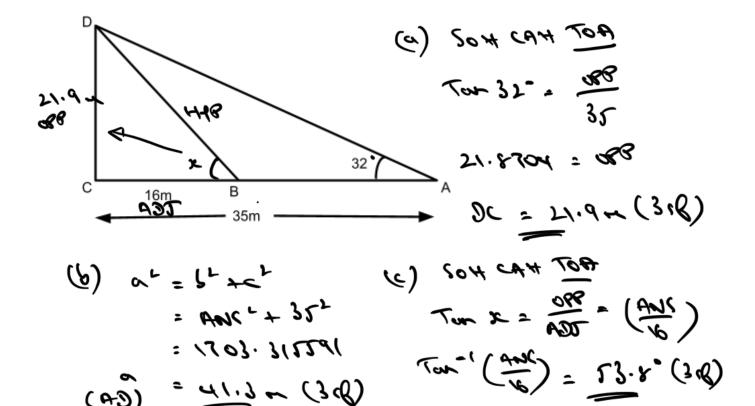


4. ABCD is a kite. Find the length AD. Give your answer to 3 significant figures.

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)



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)

