

Name:



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Identify the names of the sides marked with a question mark (x) (**Hypotenuse**, **Adjacent** or **Opposite**).

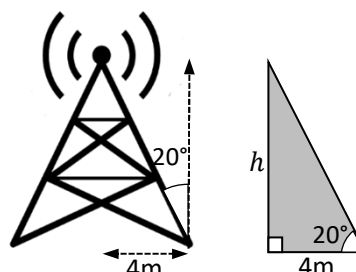
a) Opp	b) Hyp	c) Adj	d) Adj
e) Hyp	f) Opp	g) Opp	h) Opp
i) Hyp	j) Opp	k) Opp	l) Opp
m) Hyp	n) Adj	o) Adj	p) Adj

Identify the trigonometric ratio (**Sin**, **Cos** or **Tan**) which are used in the trigonometric calculations:

a) cos $(x) = \frac{9}{10}$ 	b) sin $(x) = \frac{5}{8}$ 	c) tan $(x) = \frac{7}{12}$ 	d) sin $(x) = \frac{7}{9}$
e) tan $(x) = \frac{9}{5}$ 	f) cos $(x) = \frac{4}{5}$ 	g) cos $(x) = \frac{6}{11}$ 	h) cos $(x) = \frac{6}{8}$
i) tan $(x) = \frac{4}{3}$ 	j) sin $(x) = \frac{4}{11}$ 	k) tan $(x) = \frac{5}{13}$ 	l) tan $(x) = \frac{14}{4}$

Exam question:

Steve is answering a GCSE question about the height of a Radio mast. He sets up a triangle to use trigonometry in order to answer the question. Explain what is wrong with Steve's model.

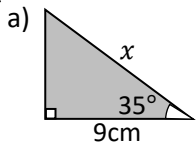


20° is in the wrong position

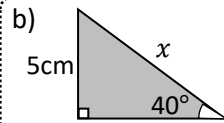




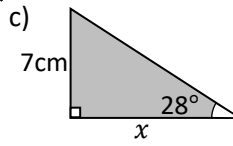
Name:


Calculate the length of the side x (Give your answer to 2 decimal places):


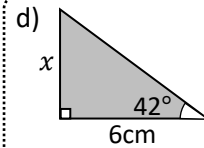
10.99cm



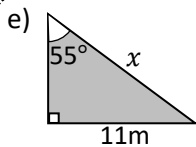
7.78cm



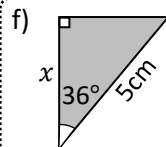
13.17cm



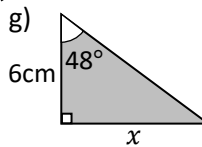
5.40cm



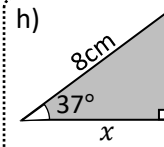
13.43m



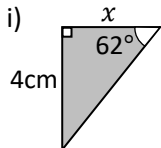
4.05cm



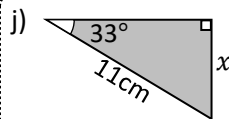
6.66cm



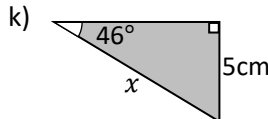
6.39cm



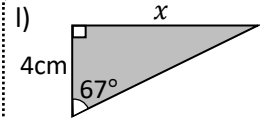
2.13cm



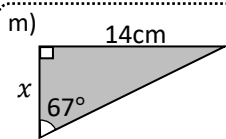
5.99cm



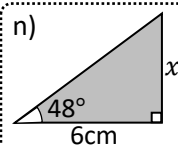
6.95cm



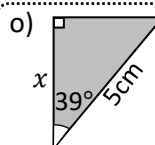
9.42cm



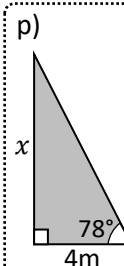
5.94cm



6.66cm



3.89cm



18.82m

Exam question:

The diagram shows a right angled triangle ABC.
Find the length of AC to 2 decimal places.

4.31m

