

Name: \_\_\_\_\_



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

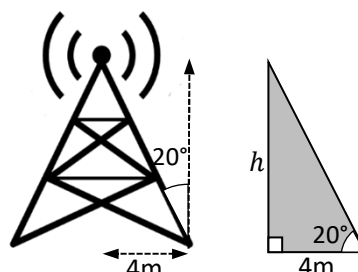
a)	b)	c)	d)
e)	f)	g)	h)
i)	j)	k)	l)
m)	n)	o)	p)

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

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

## 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.



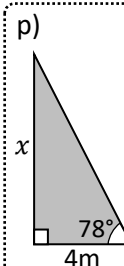
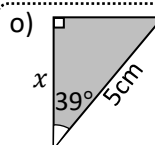
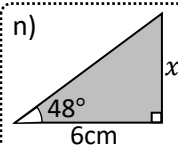
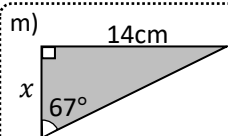
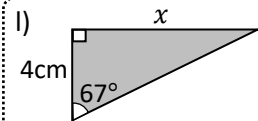
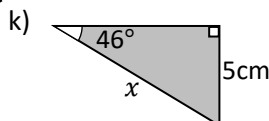
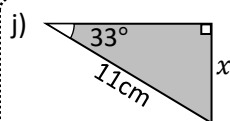
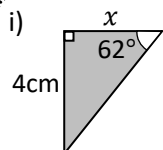
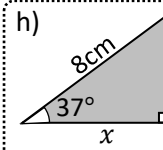
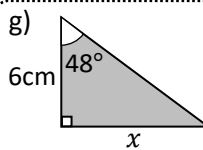
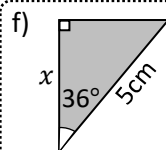
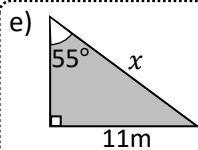
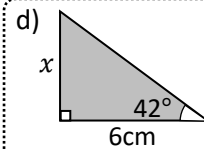
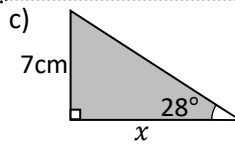
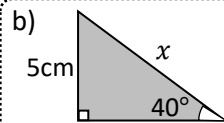
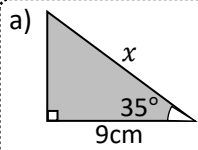


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Calculate the length of the side  $x$  (Give your answer to 2 decimal places):



## Exam question:

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

