Name:	_
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Ch. 7.3 Cosine Ratio

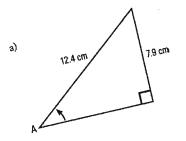
Assignment

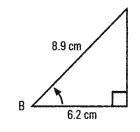
1. Calculate the following Cosine ratios:

AWM10

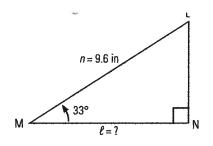
Cos 5º=	Cos 48º=
Cos 11º=	Cos 53º=
Cos 26º=	Cos 89º=

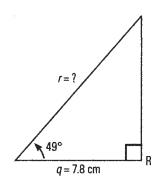
2. Find the Cosine ratio of the following diagrams. You may need to use Pythagoras!!!

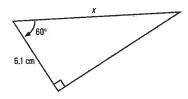


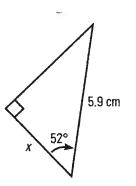


3. Find the missing sides of the triangles below

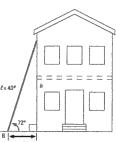








4. How far from the base of a house is a 40-foot ladder if the angle of elevation is 72°?



5. How far from the base of a flagpole must a guy wire be fixed if the wire is 12 metres long and it makes an angle of 63° with the ground?

6. Reba walks 25 yards across the diagonal of a rectangular field. If the angle between the width and the diagonal is 67°, how wide is the field?

7. What height is a pole, and how far away from it is a cable attached to the ground, if the angle of elevation is 25° and the cable is 18 m long? You must not use Pythagoras's Theorem to solve for any sides, only Trig ratios.

