Ch. 7.2 Sine Ratio

1. Find the following ratios using your calculator (4 decimal places)

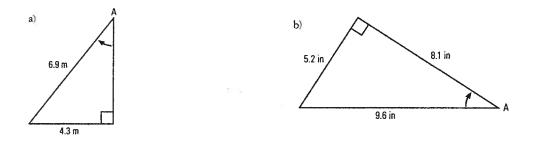
Sin 14º=____ Sin 48º=____ Sin 89º=____

Sin 0°=
Sin 23º=
Sin 71º=

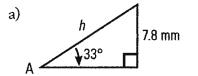
2. Please label the following triangles with opposite, adjacent, and hypotenuse.

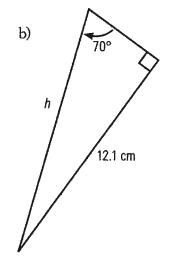


3. Calculate the value of Sin A for each of the following to 4 decimal places.



4. Find the length of the hypotenuse in the following diagrams (1 decimal place)





5. Find the missing side in the following triangles.



6. How high is a weather balloon tied to the ground if it is attached to a 15-metre string and the angle between the string and the ground is 35°?

7. A ramp with a length of 21.2 metres has an angle of elevation of 15°. How high up does it reach?

8. A ladder 8.5 metres long makes an angle of 72° with the ground. How far up the side of a building will it reach?

