

Trigonometry Skill Building (old quiz)

1. Solve:

a) Solve for side indicated, rounded to one decimal place.

i. $\frac{5.4}{\sin 70} = \frac{x}{\sin 80}$

ii. $x^2 = 7.5^2 + 4.2^2 - 2(7.5)(4.2)\cos 72$

[4]

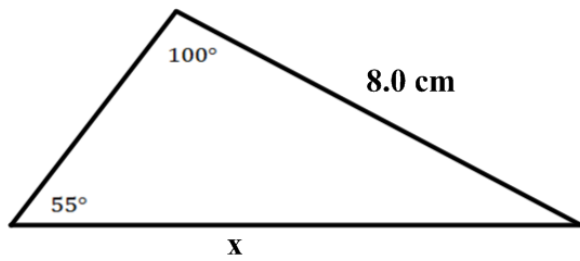
b) Find the measure of A to the nearest degree.

i. $\frac{15}{\sin A} = \frac{12}{\sin 50}$

ii. $\cos A = \frac{6.0^2 + 9.0^2 - 8.0^2}{2(6.0)(9.0)}$

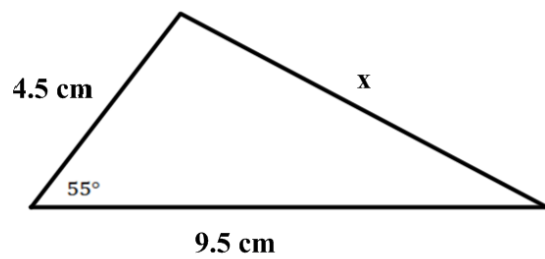
2. Label the triangles using A, B, and C for the angles and using a, b and c for the sides. Find the length of the side indicated, round to one decimal place.

a)



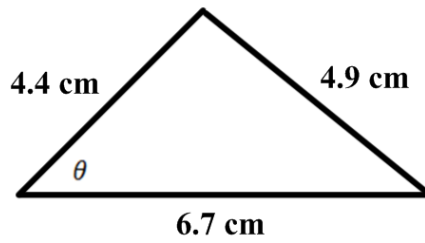
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b)



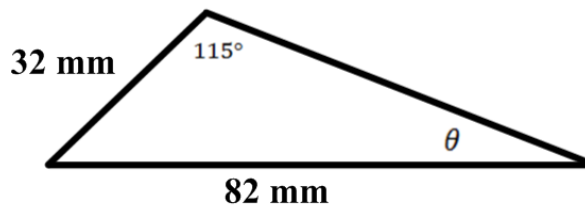
3. Label the triangles using A, B, and C for the angles and using a, b and c for the sides. Find the measure of the angle indicated, round to a whole number.

a)



[4]

b)



4. Solve the triangle.

[3]

