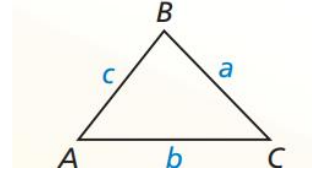


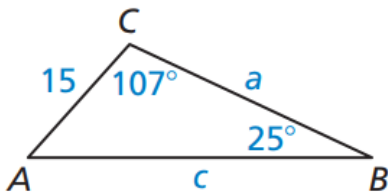
Theorem

Theorem 9.9 Law of Sines

The *Law of Sines* works for _____ triangle.



1) Solve the triangle. Why can't you use SOHCAHTOA?

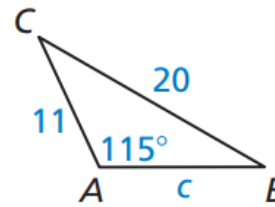


$$m\angle A = \underline{\hspace{2cm}}^\circ$$

$$a = \underline{\hspace{2cm}}$$

$$b = \underline{\hspace{2cm}}$$

2) Solve the triangle.



$$m\angle B = \underline{\hspace{2cm}}^\circ$$

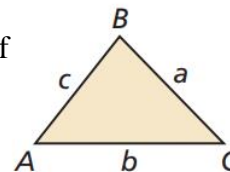
$$m\angle C = \underline{\hspace{2cm}}^\circ$$

$$c = \underline{\hspace{2cm}}$$

Core Concept

Area of a Triangle

The sine function can be used to find the area of a triangle if the given information is SAS.



3) Show that

