

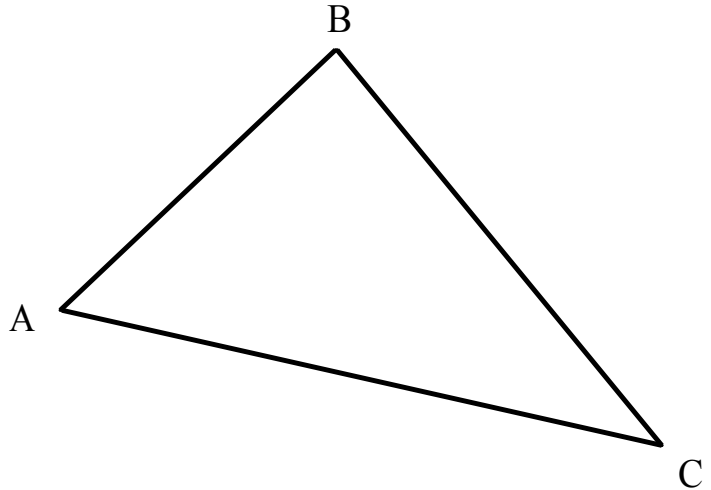
Advanced Math

6-1

Law of Sines

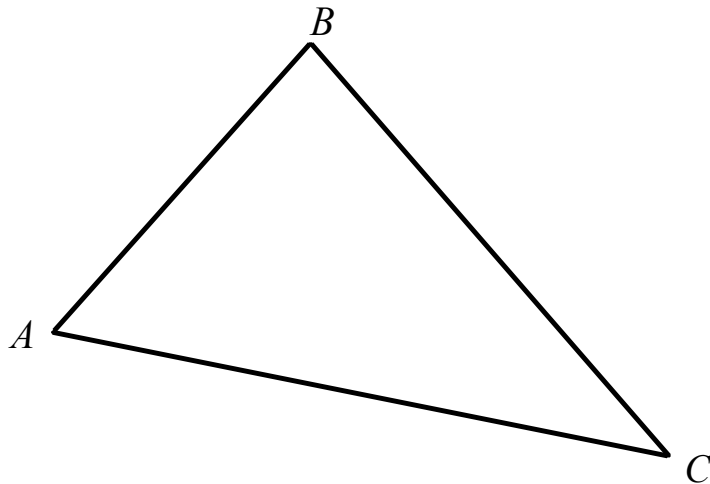
Law of Sines -

Given a general triangle $\triangle ABC$



Solve the Triangle

- 5) $a = 200$
 $\angle A = 150^\circ$
 $\angle C = 20^\circ$



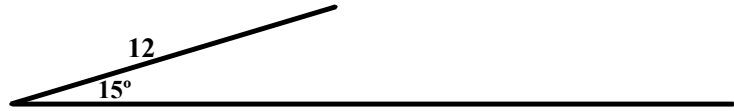
The Angle Side Side problem -

$$a = 6$$

$$c = 12$$

$$A = 15^\circ$$

$$\angle C = \underline{\hspace{2cm}}$$



The ASS problem -

If the side opposite is shorter than the side adjacent,

a)

b)

c)

Solve the triangle.

$$19) \angle A = 58^\circ$$

$$b = 5$$

$$a = 4.5$$

Area of a Triangle:

Find the area of the triangle having the indicated sides and angle.

$$39) C = 120^\circ, a = 4, b = 6.$$

Assignment: pg. 518 2-22 even, 25-36 all, 40,42,44.
