Warm Up: Pre-Calc 1/8

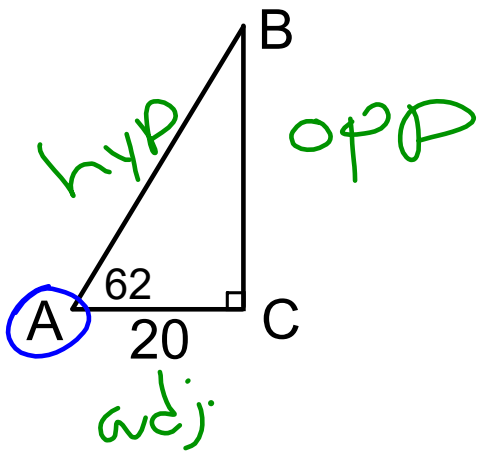
Burt and Ernie set their watches correctly at 6pm Wednesday. Burt's watch is fast and gains 1 minute every 6 hours. Ernie's watch is slow and loses 1 minute every 9 hours. At 9am actual time Friday morning, Burt's watch is __mins. and ___ sec ahead of Ernie's watch.

Feb 27-7:39 AM

Warm Up: Pre-Calc 1/8

Solve the right triangle. (That means find all the sides and angles)

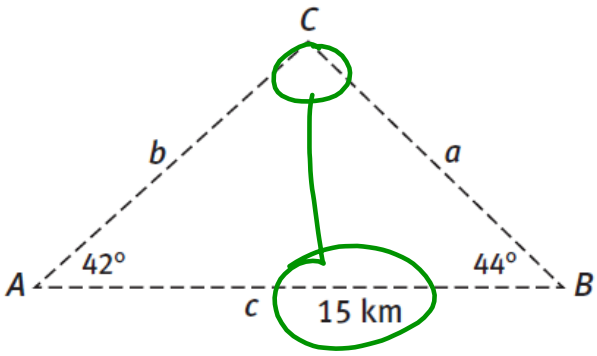
$m\angle B = 28°$



Feb 27-7:39 AM

Example A

Fire spotters at stations located at A and B notice a fire at location C. What is the distance between station A and the fire?



Dec 5-3:44 PM

W.A.L.T.: Day 4

Use the Law of Sines

W.A.S.I:

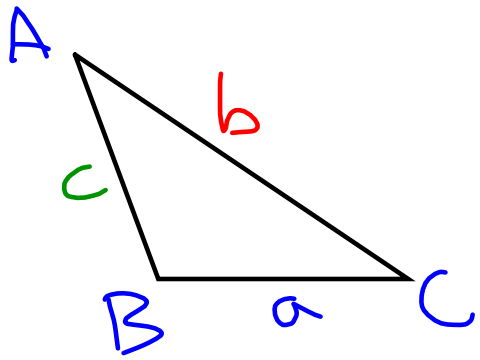
We can recognize situations to use the law of Sines and then use it to solve problems.

Mar 7-9:45 AM

Notes!!! Law of Sines:

For any triangle with sides a,b, and c;

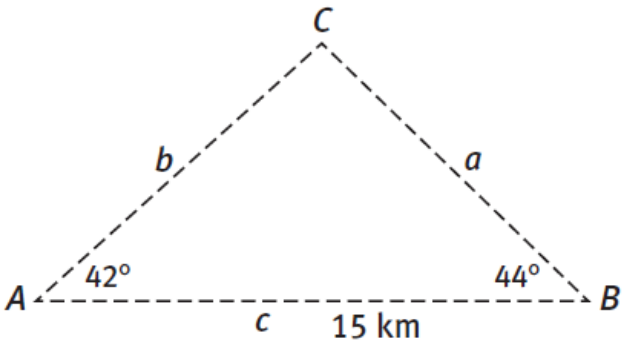
$$\frac{\sin A}{a} = \frac{\sin B}{b} = \frac{\sin C}{c}$$



Mar 7-1:33 PM

Example A

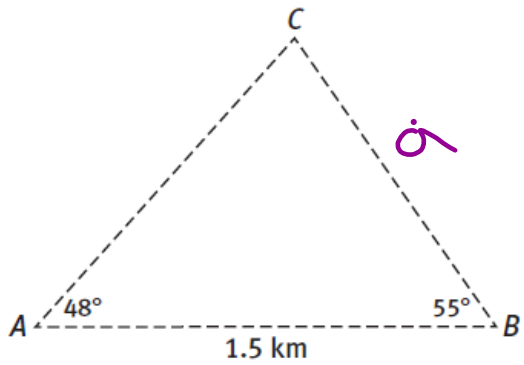
Fire spotters at stations located at A and B notice a fire at location C. What is the distance between station A and the fire?



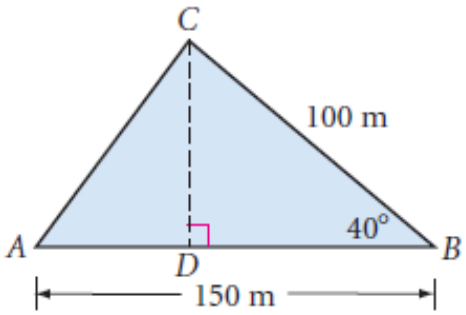
Dec 5-3:44 PM

Try These A

Two boaters located at points A and B notice a lighthouse at location C. What is the distance between the boater located at point B and the lighthouse? Round to the nearest tenth.



Dec 5-3:45 PM



Find the area of $\triangle ABC$.

Dec 6-11:14 AM

In Class Work:

Worksheet: Law of Sines side.

Mar 7-1:33 PM

Today's Activities:

- Law of Sines

P.W. for tonight:

- Worksheet - Law of Sines

Feb 27-7:23 AM