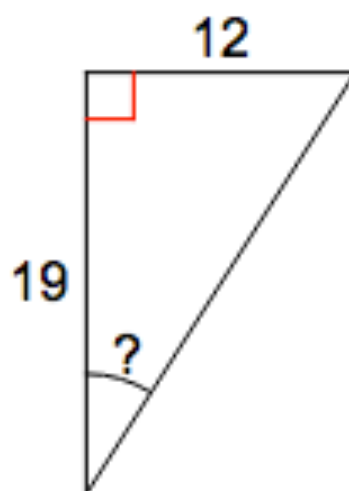
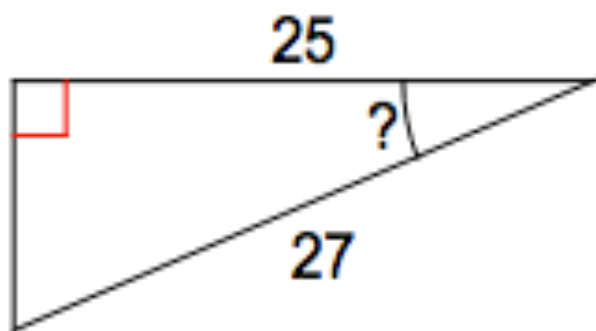


HAT

4/10/17

Triangle Trig Board Review

Find the missing angle. Round to 3 decimal places.



$$\sin B = 0.5736$$

Find  $\csc \theta$  if  $\tan \theta = \frac{3}{4}$

Find  $\sec \theta$  if  $\csc \theta = \frac{7}{5}$

Determine the possible number of triangles that can be formed with the given information.

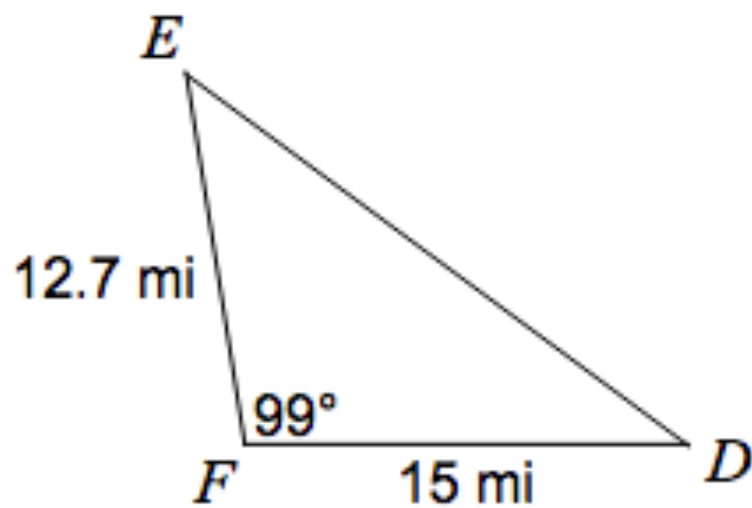
$$m\angle C = 62^\circ, b = 15 \text{ in}, c = 10 \text{ in}$$



$$m\angle A = 66^\circ, a = 35 \text{ km}, c = 6 \text{ km}$$



Find the area of triangle DEF

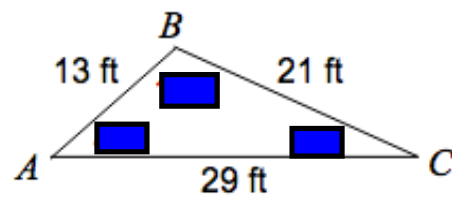
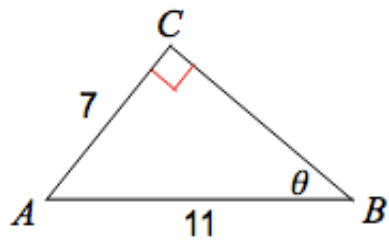


Solve triangle ABC

$$m\angle B = 20^\circ, a = 29 \text{ yd}, b = 24 \text{ yd}$$



Solve triangle ABC



Solve triangle ABC

