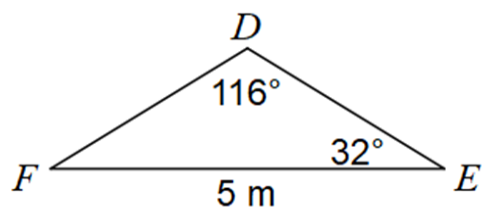


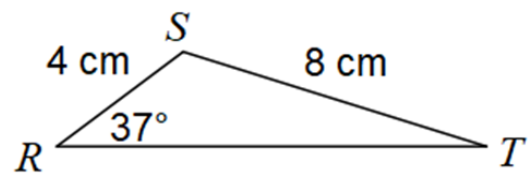
**Finding Sides & Angles given the Area**

We can use Area of a Triangle with Trig to work backwards to find missing information.

Ex. Given that the area of triangle DEF is  $3.8\text{m}^2$ , find the measure of all missing sides.



Ex. Given that the area of triangle RST is  $13 \text{ cm}^2$ , solve for the measure of OBTUSE angle S.



Ex. Determine the measures of angles  $D$ ,  $E$  and  $F$ .

