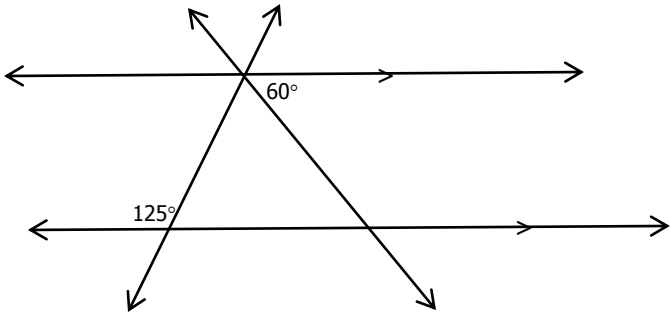
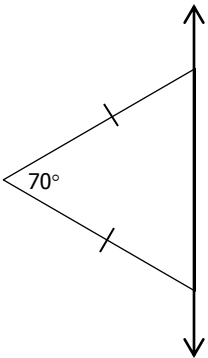


Notes 10.2 Triangles

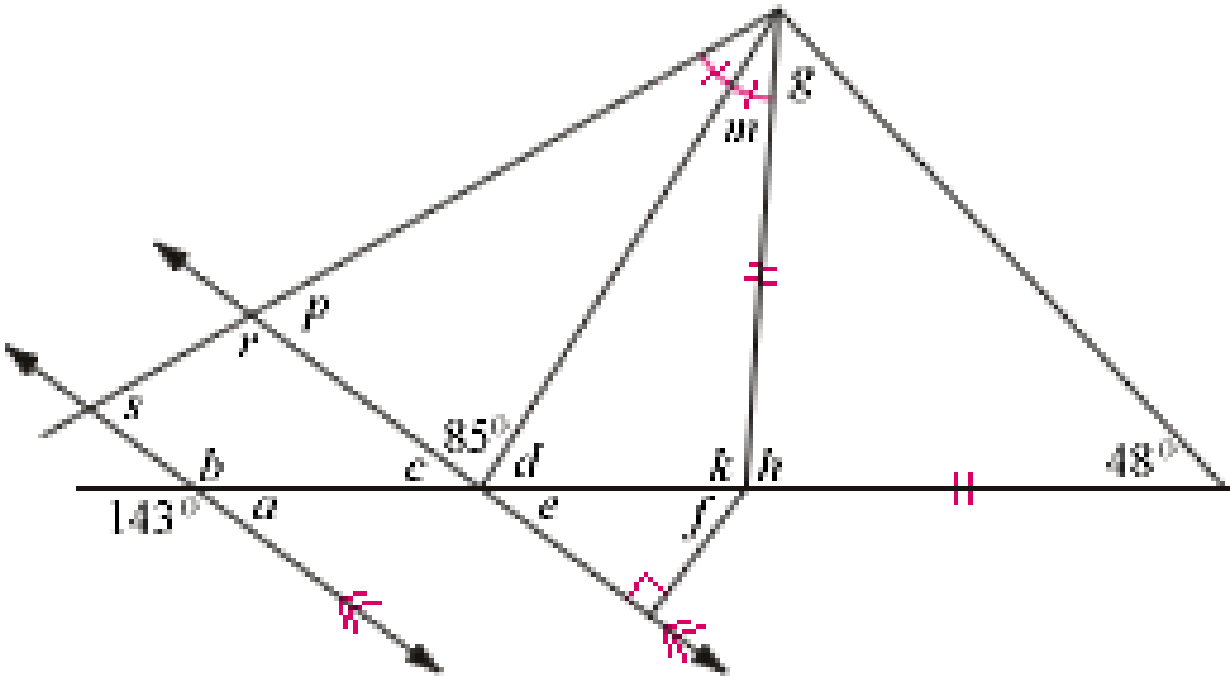
1) Find the measure of each missing angle.



2) Find the measure of each missing angle.



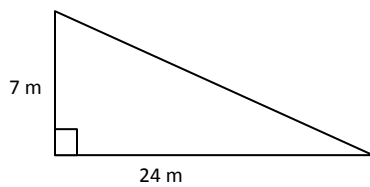
3) Find the measure of each lettered angle.



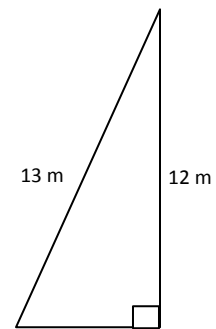
4) The measure of one angle of a triangle is 3 times as large as another angle of the triangle. The measure of the 3<sup>rd</sup> angle of the triangle is  $40^\circ$  greater than the smallest angle. Find the measure of all 3 angles.

5-6 Find the value of  $x$ .

5)



6)



7) A radio tower is supported by 4 wires, each 130 yards long. They are attached 50 yards from the base of the pole and 30 yards down from the top of the tower. How tall is the tower?

8) A rectangle is 10 ft by 24 ft. Find the length of its diagonal, in centimeters.