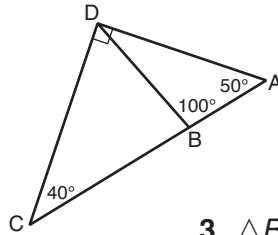


LESSON **Practice B**
4-1 **Classifying Triangles**

Classify each triangle by its angle measures.
 (Note: Some triangles may belong to more than one class.)

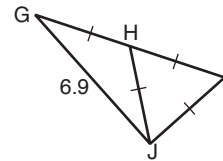


1. $\triangle ABD$

2. $\triangle ADC$

3. $\triangle BCD$

Classify each triangle by its side lengths.
 (Note: Some triangles may belong to more than one class.)

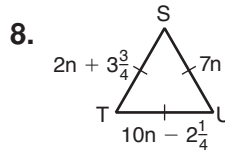
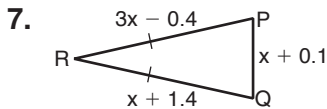


4. $\triangle GIJ$

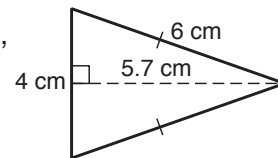
5. $\triangle HIJ$

6. $\triangle GHJ$

Find the side lengths of each triangle.



9. Min works in the kitchen of a catering company. Today her job is to cut whole pita bread into small triangles. Min uses a cutting machine, so every pita triangle comes out the same. The figure shows an example. Min has been told to cut 3 pita triangles for every guest. There will be 250 guests. If the pita bread she uses comes in squares with 20-centimeter sides and she doesn't waste any bread, how many squares of whole pita bread will Min have to cut up?



10. Follow these instructions and use a protractor to draw a triangle with sides of 3 cm, 4 cm, and 5 cm. First draw a 5-cm segment. Set your compass to 3 cm and make an arc from one end of the 5-cm segment. Now set your compass to 4 cm and make an arc from the other end of the 5-cm segment. Mark the point where the arcs intersect. Connect this point to the ends of the 5-cm segment. Classify the triangle by sides and by angles. Use the Pythagorean Theorem to check your answer.
