

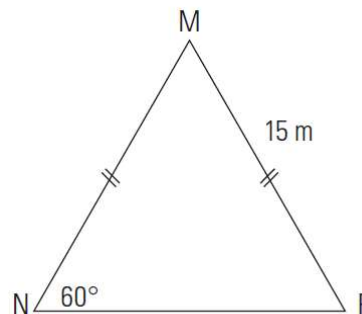
Apprenticeship Math 12
ASSIGNMENT: Classifying Triangles

Name: _____

Date: _____

1. Use the diagram to answer the questions below.

a) What is the measure of $\angle M$? _____

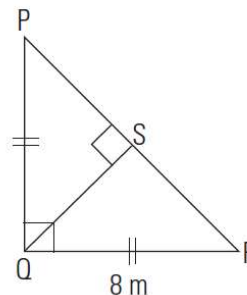


b) Classify $\triangle MNP$ by angle size and side length.

- by angle size: _____ triangle
- by side length: _____ triangle

2. Use the diagram to answer the questions below.

a) To the nearest tenth, what is the length of PR? _____



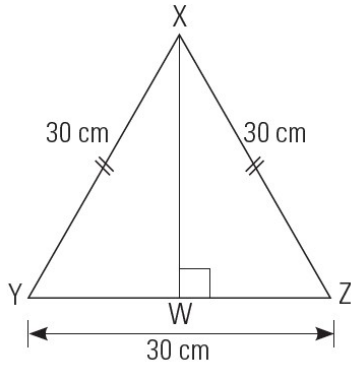
b) Classify $\triangle PQR$ by angle size and side length.

- by angle size: _____ triangle
- by side length: _____ triangle

c) Classify $\triangle QRS$ by angle size and side length.

- by angle size: _____ triangle
- by side length: _____ triangle

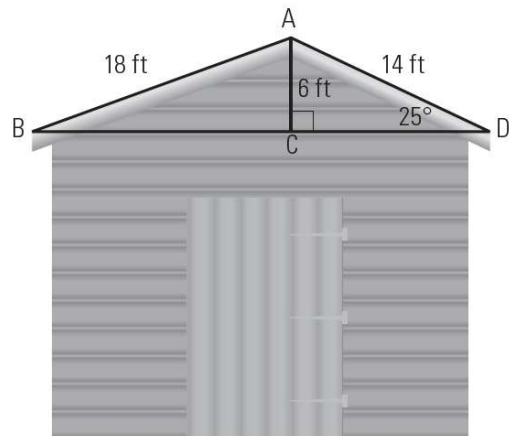
3. An equilateral triangle XYZ has a perimeter of 90 cm. To the nearest tenth, what is its area?



Triangle: $A = \frac{bh}{2}$

4. An asymmetrical roof on a shed has sections that are 18 ft and 14 ft long. The roof has a rise of 6 feet.

- a) To the nearest tenth, how wide is the building?



- b) Classify ΔABC , ΔACD , and ΔABD by angle size and side length.

	by angle size	by side length
ΔABC		
ΔACD		
ΔABD		

ΔABC	right	scalene
ΔACD	right	scalene
ΔABD	obtuse	scalene

1. a) 60° b) acute, equilateral
 2. a) 11.3 m b) right, isosceles c) isosceles
 3. 389.7 cm^2
 4. a) 29.6 ft b)