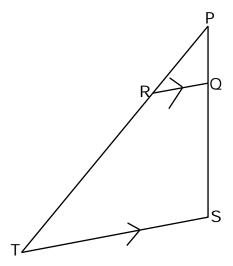
Proving Triangle Theorems - Guided Lesson

Complete the following problems:

1) Find the length of PR by using the side splitter theorem.



$$PQ = 6$$
 $PR =$

2) Proof: Triangle Sum Theorem

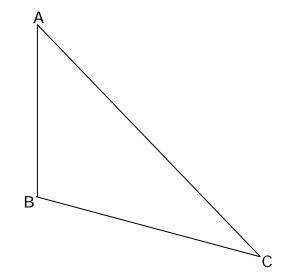
Given:

$$\angle A = 2x^{\circ}$$

$$\angle B = 3x^{\circ}$$

$$\angle C = (4/4)x^{\circ}$$

Prove:



3) Proof: Triangle Exterior Angle Theorem

Given:

Prove:

