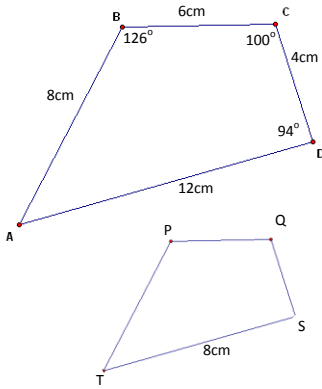


Math Quiz –6.2 Similarity and Indirect Measurement (7th) Name: _____

Take the figures below and all of the information given. The two figures are similar. Find each of the missing measurements. Keep in mind that the sum of all of the angles will equal 360 degrees.



1. Length of line PQ

2. Length of line TP

3. Perimeter of PQST

4. Measure of angle T

5. Measure of angle Q

Use the shadow lengths to help you solve the problem. Draw a picture to help.

6. flagpole shadow: 55 feet
 Boy's shadow: 5 feet
 Boy's height: 4 feet
 How tall is the flagpole?

7. mailbox shadow: 4 feet
 Lamppost shadow: 26 feet
 Mailbox height: 3.5 feet
 How tall is the lamppost?

8. Kangaroo shadow: 1.5 meters
 Giraffe shadow: 4.8 m
 Giraffe height: 5.76 m
 How tall is the kangaroo?

9. Skyscraper shadow: 137 meters
 Mailbox shadow: 6 m
 Mailbox height: 3 m
 How tall is the skyscraper?