

Chapter 8 Review

Name: _____

Period: _____

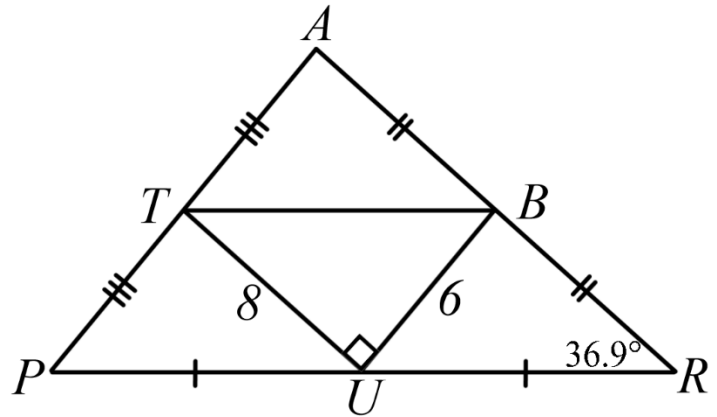
1.) Given the diagram below, find the following:

(a) The length of \overline{AR}

(b) The length of \overline{TB}

(c) $m\angle TBU$

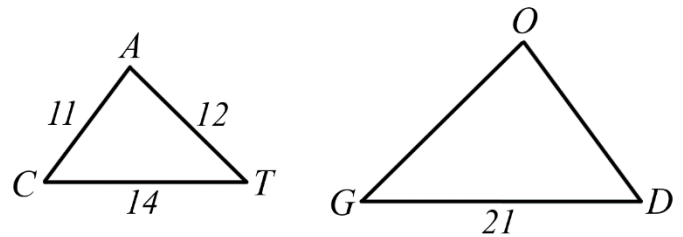
(d) perimeter of $\triangle PAR$



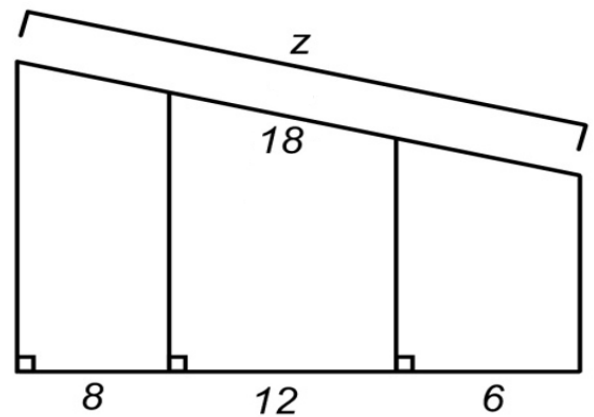
2.) If $\triangle CAT \sim \triangle DOG$, find:

(a) The ratio of the perimeters of $\triangle CAT$ to $\triangle DOG$.

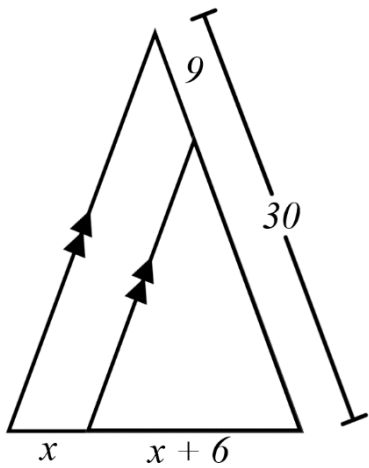
(b) The length of \overline{DO} .



3.) Find the value of z .

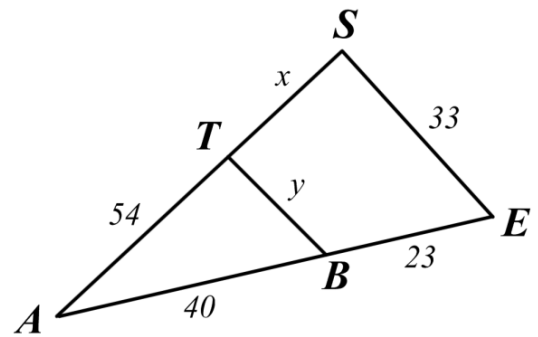


4.) Find the value of x .



5.) Given: $\triangle SEA \sim \triangle TBA$.

Find the values of x and y . Round your answers to the nearest hundredth.



6.) A 5-foot-tall girl is standing 13 feet away from a 15-foot-tall lamppost. How long is her shadow?

Note: Diagram not necessarily drawn to scale.

