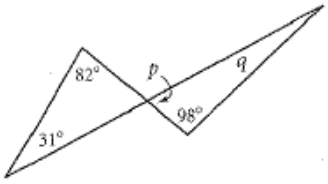
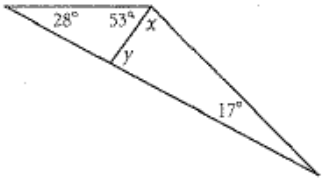
4.1-4.2 worksheet Name: _____

In Exercises 1–9, determine the angle measures.

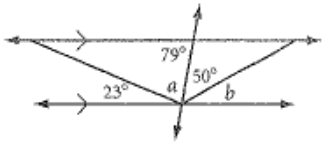
1. $p =$ _____, $q =$ _____



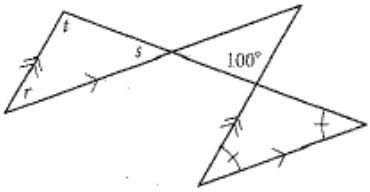
2. $x =$ _____, $y =$ _____



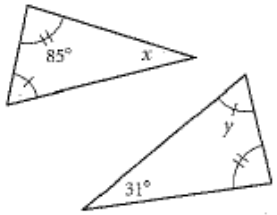
3. $a =$ _____, $b =$ _____



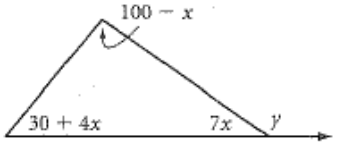
4. $r =$ _____, $s =$ _____, $t =$ _____



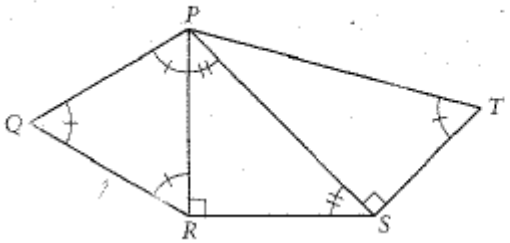
5. $x =$ _____, $y =$ _____



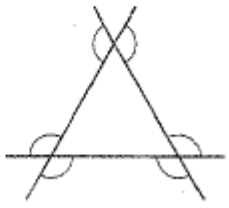
6. $y =$ _____



10. Find the measure of $\angle QPT$.



11. Find the sum of the measures of the marked angles.



4.1-4.2 worksheet

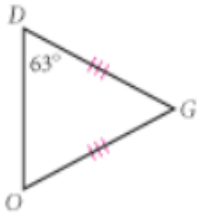
Name: _____

For Exercises 1–6, use your new conjectures to find the missing measures.

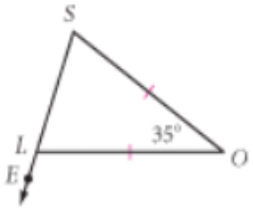
Construction tools for Exercises 15–17

1. $m\angle H =$?

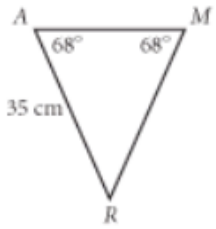
2. $m\angle G =$?



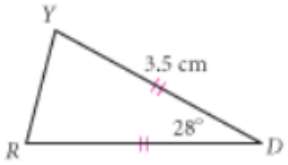
3. $m\angle OLE =$?



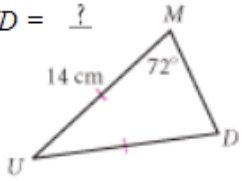
4. $m\angle R =$?
$RM =$?



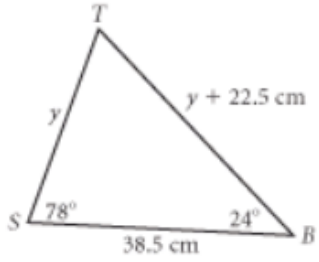
5. $m\angle Y =$?
$RD =$?



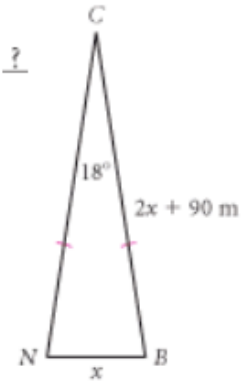
6. The perimeter of $\triangle MUD$ is 36.6 cm.
$m\angle D =$?
$m\angle U =$?
$MD =$?



7. $m\angle T =$?
perimeter of $\triangle TBS$?



8. The perimeter of $\triangle NBC$ is 555 m.
$NB =$?
$m\angle N =$?



9. The perimeter of $\triangle MTV$ is 605 in.
$MV =$?
$m\angle M =$?