

****Draw a triangle that satisfies the conditions stated. Use the symbols to show equal or unequal sides. If no triangle can be drawn, write NOT POSSIBLE.****

1. An obtuse scalene \triangle

2. An isosceles right \triangle

3. An obtuse acute \triangle

4. An acute isosceles \triangle

5. A right scalene \triangle

6. An obtuse equilateral \triangle

7. An obtuse isosceles \triangle

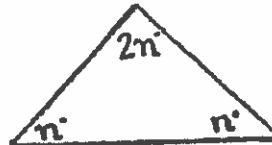
8. A right equilateral \triangle

****Write and solve an equation to find the measure of each angle.****

9.



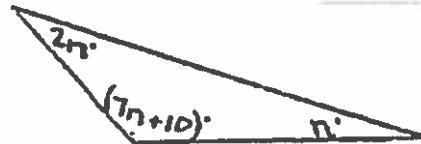
10.



11.



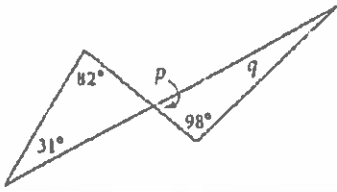
12.



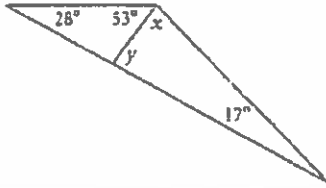
3.4

In Exercises 1–9, determine the angle measures.

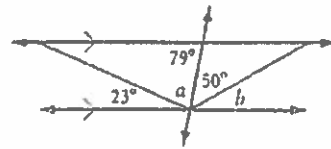
1. $p = \underline{\hspace{2cm}}$, $q = \underline{\hspace{2cm}}$



2. $x = \underline{\hspace{2cm}}$, $y = \underline{\hspace{2cm}}$

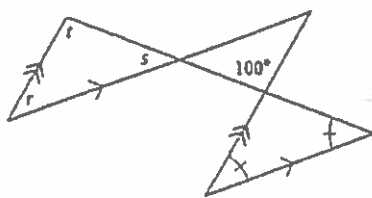


3. $a = \underline{\hspace{2cm}}$, $b = \underline{\hspace{2cm}}$

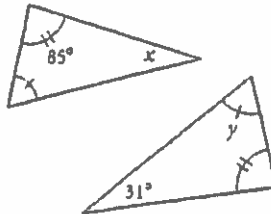


4. $r = \underline{\hspace{2cm}}$, $s = \underline{\hspace{2cm}}$,

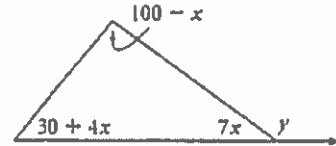
$t = \underline{\hspace{2cm}}$



5. $x = \underline{\hspace{2cm}}$, $y = \underline{\hspace{2cm}}$



6. $y = \underline{\hspace{2cm}}$



7. $s = \underline{\hspace{2cm}}$



8. $m = \underline{\hspace{2cm}}$

