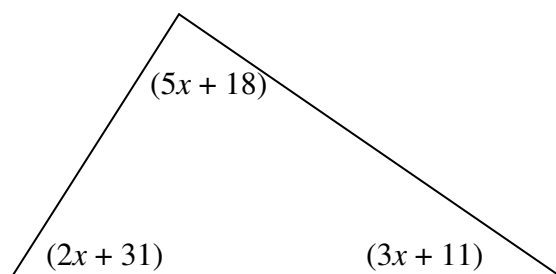
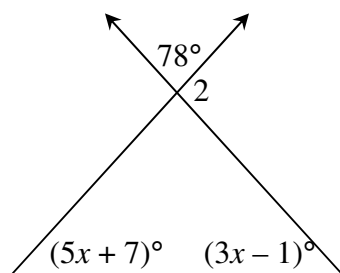


Name \_\_\_\_\_  
Geometry Ch. 4 Practice Test

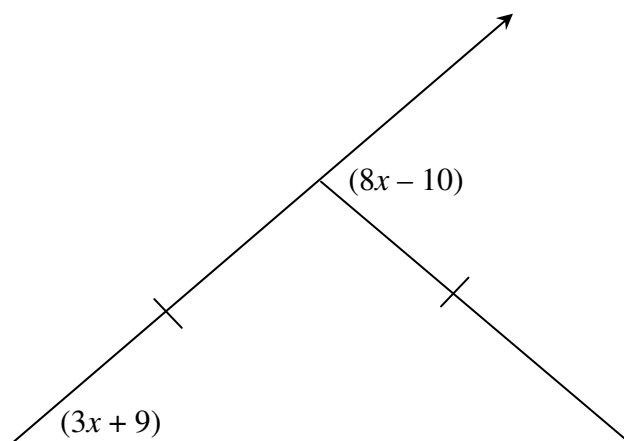
1. Find the value of  $x$ . Then classify the triangle by its angles.



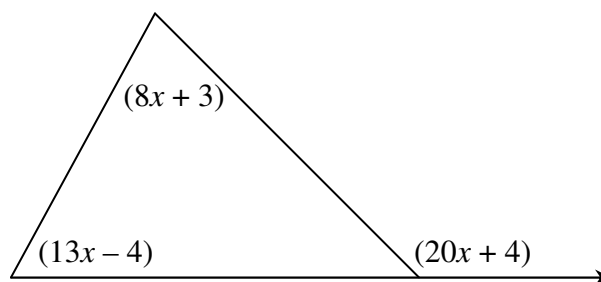
2. Find  $x$  and  $m\angle 2$ .



3. Find the value of  $x$ .

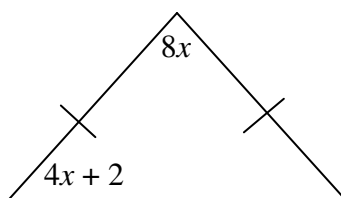


4. Find  $x$ .

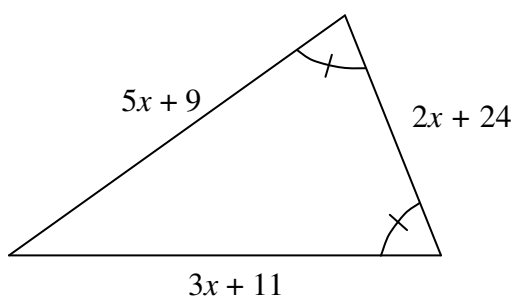


5.  $\triangle QRS$  is equilateral.  $QR$  is two less than two times a number,  $RS$  is six more than the number, and  $QS$  is ten less than three times the number.  
Draw the triangle and label the sides. Find all three side lengths.

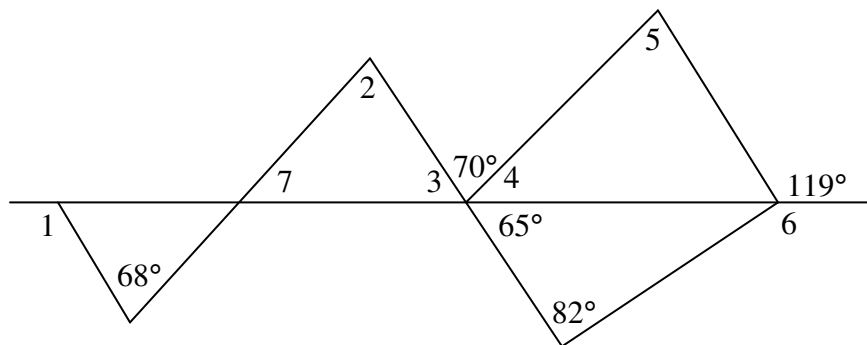
6. Find  $x$  and the measure of all three angles.



7. Find  $x$ .



For problems 8-13, use the following figure to find the given measures if  $m\angle 1 = 104^\circ$



8.  $m\angle 2 =$  \_\_\_\_\_

9.  $m\angle 3 =$  \_\_\_\_\_

10.  $m\angle 4 =$  \_\_\_\_\_

11.  $m\angle 5 =$  \_\_\_\_\_

12.  $m\angle 6 =$  \_\_\_\_\_

13.  $m\angle 7 =$  \_\_\_\_\_