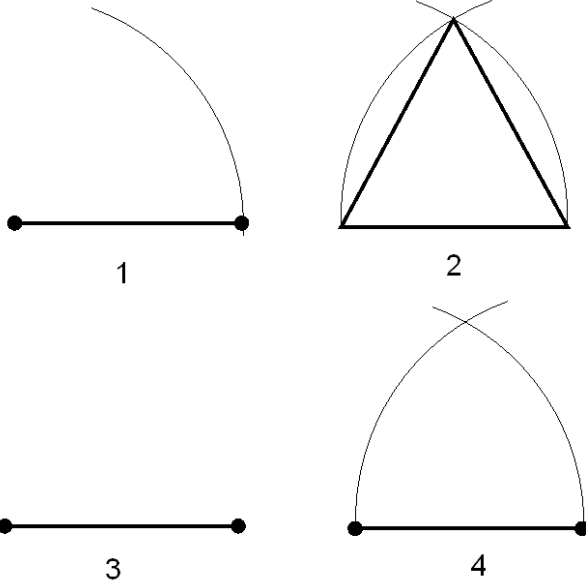Name: _____ Date: _____ Period: _____

Geometry Bundle 5 Test Review

1. Below are steps used in constructing an equilateral triangle. Put them in order.
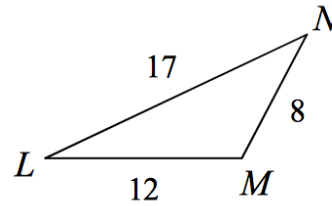

1

2

3

4

2. The lengths of two sides of a triangle are 8 cm and 12 cm. Find the range of possible lengths for the third side.
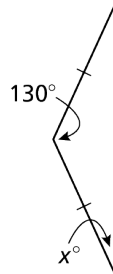
3. Identify which lengths do not form a triangle.
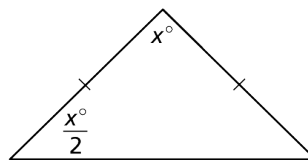   8, 8, 16

   8, 18, 8

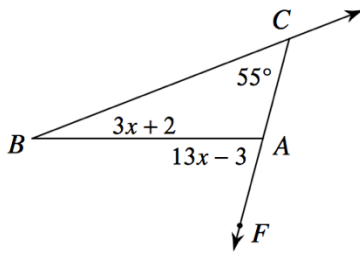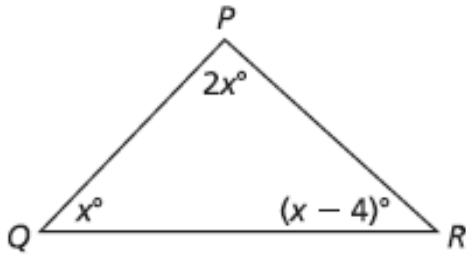4. List the angles in order from smallest to largest.

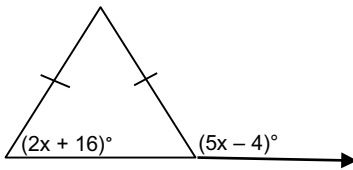5. Solve for x. (G.6D)

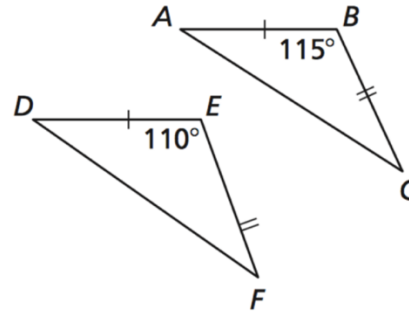
6. Solve for x. (G.6D)

7. Solve for *x*. (G.6D)

8. List the sides in order from shortest to longest.
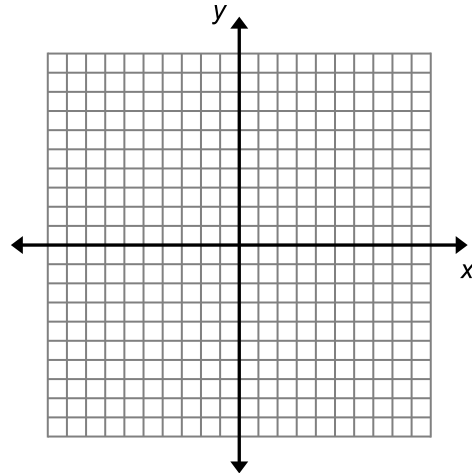

9. Find the value of *x*.

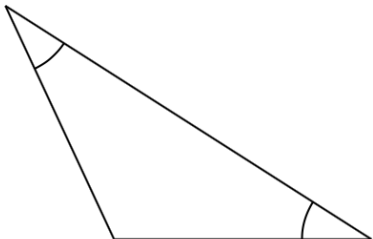10. If $m\angle E > m\angle B$, what can you conclude about the lengths of the sides?

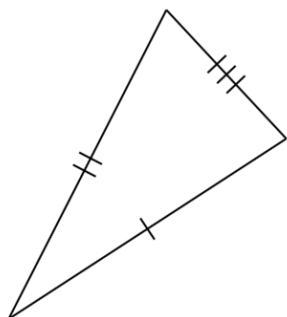11. Classify ΔABC with vertices A (2, 3), B (-4, 3), C (2, 8) by its sides.
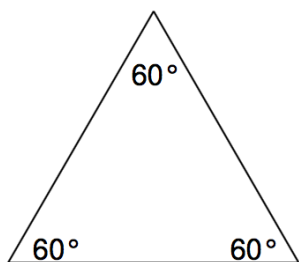
For 12-14, classify each triangle by its angle and sides.

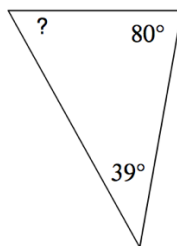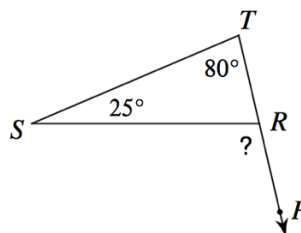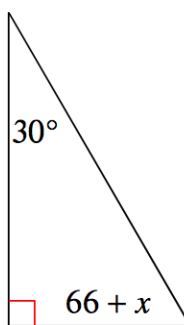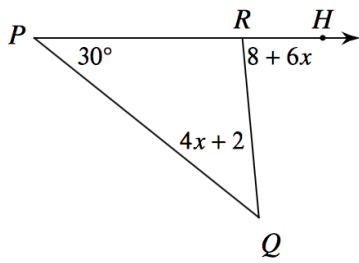For 14 and 15, find the measure of each angle indicated.

12.

14.

?   80°

39°

13.

15.

                    T
                 80°
          25°
    S   R
                 ?
                    P

For 16 and 17, find x.

14.

      60°

60°   60°

16.

30°

       66 + x

17.

P 30° ... R H

$8 + 6x$

$4x + 2$

Q
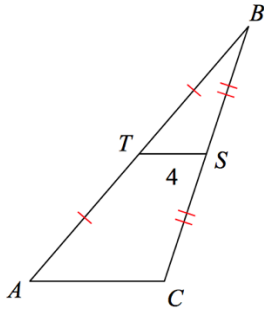
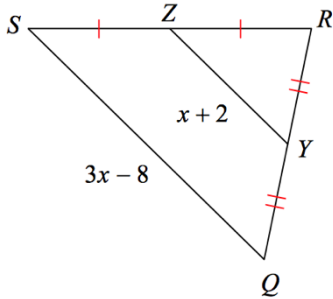18. Find AC

B

T S

4

A C

19. Find x.

S Z R

$x + 2$

$3x - 8$ Y
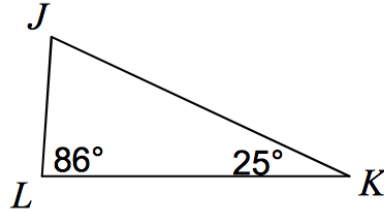
Q

20. Order the angles from smallest to largest.

In $\triangle ABC$
BC = 10.9
AC = 19
AB = 12.8

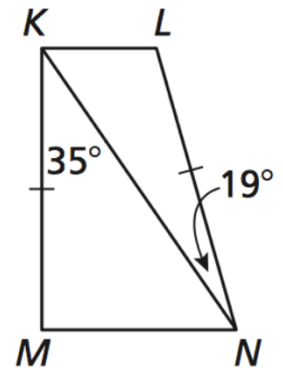21. Order the sides from shortest to longest.

J

$86°$ $25°$ K

L

22. Two sides of a triangle have the following measures. Find the range of possible measures for the third side.

6, 8

23. Complete the statement with >, <, or =.
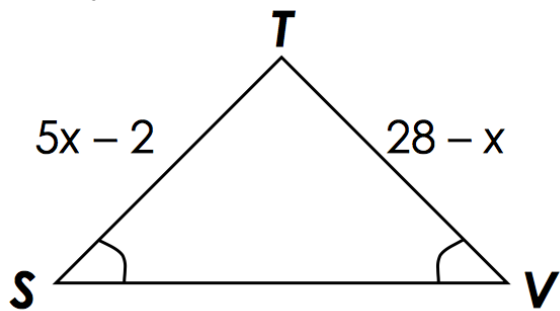
KL _____ MN

K L

$35°$

$-19°$

M N

24. Find x.

T

5x − 2   28 − x

S   V

25. Find x and y.

20 x°

5y