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Review Questions for Videos 200 through 204

1. Use the term-to-term rule to find t_5 and t_6 in the sequence below.

4, 7, 10, 13, ____, ____

$t_5 =$ _____

$t_6 =$ _____

2. Use the position-to-term rule to find t_{30} in the sequence below.

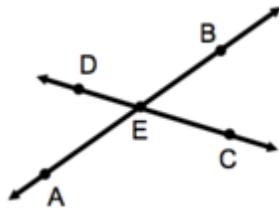
3, 5, 7, 9, 11, . . .

$t_{30} =$ _____

3. Angle G is a complement of angle H. The measure of angle G is 50° .
What is the measure of angle H?

4. Angle J is a supplement of angle K. The measure of angle J is 50° . What
is the measure of angle K?

4. In the diagram below, points A, E, and B all lie on a straight line, and
points D, E, and C all lie on a straight line. The measure of angle DEA is
 60° . Without measuring, what is the measure of the other three angles?



Angle DEB = _____

Angle BEC = _____

Angle CEA = _____

5. Match the names of the triangles with the descriptions below.

Isosceles	no sides are equal
Scalene	has at least two equal sides
Equilateral	has three equal sides

6. Match the names of the angles with the descriptions below.

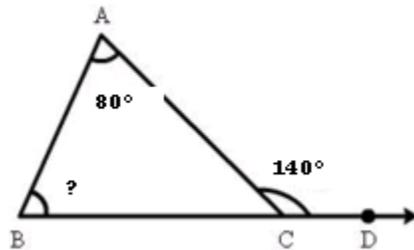
Obtuse	less than 90°
Acute	90°
Right	greater than 90°

7. Which of the following lengths can form a triangle?

- a. 3, 4, 5 _____
- b. 1, 2, 3 _____
- c. 2, 4, 9 _____
- d. 2, 4, 5 _____

8. Under the Triangle Angle Sum Theorem, the sum of the interior angles of a triangle must equal _____.

9. In the diagram below, the measure of angle ACD is 140° , and the measure of angle CAB is 80° .



What is the measure of angle ABC? _____

10. Sally sells seashells by the seashore. On Thursday, Friday, and Saturday, she sold a total of 38 seashells. On Friday, she sold two more than she did on Thursday. On Saturday, she sold twice as many as she did on Friday. How many seashells did Sally sell by the seashore on Saturday?

11. Evaluate the following expressions.

a. $(2 + 6) \div 4 + 7 =$ _____

b. $2^3 + 4^2 + 7 =$ _____

c. $3 + 5 \times 10 - 2 =$ _____