NAME_____**DATE**_____**PER.**_____

REVIEW #5 Part 1: PROPERTIES OF TRIANGLES

PART 1: Triangle Basics
Write the correct term for each description given.

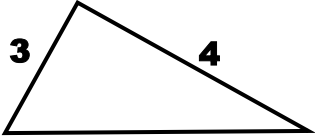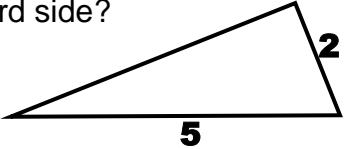|	
1. _____	A figure formed by the segments determined by 3 non-collinear points.
2. _____	A triangle with no two sides congruent.
3. _____	A triangle with at least two sides congruent.
4. _____	A triangle with all sides congruent.
5. _____	A triangle in which all of the angles are acute.
6. _____	A triangle with an obtuse angle.
7. _____	A triangle with a right angle.
8. _____	A triangle with all angles congruent.

Decide if the following lengths can be sides of a triangle. If yes, classify the triangles by _SIDES_.

9. YES or NO Classification:_____	8, 10, 20
10. YES or NO Classification:_____	10, 11, 14
11. YES or NO Classification:_____	10, 10, 10

The measures of two angles of a triangle are given. Find the measure of the third angle, then classify the triangle by _ANGLES_.
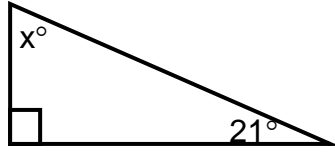
12. Third Angle = _____ Classification:_____	57°, 33°
13. Third Angle = _____ Classification:_____	36°, 52°
14. Third Angle = _____ Classification:_____	50°, 50°

Choose the best answer for each of the following.

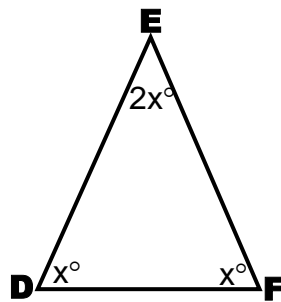|	
_____15.	Which of the following CANNOT be the length of the third side? A. 4 B. 5 C. 6 D. 7 3 4
_____16.	Which of the following CANNOT be the length of the third side? A. 3 B. 4 C. 5 D. 6 2 5

Find the specified value(s).

17. x = _____	
18. x = _____ m∠E = _____	

19. x = _____
 	
    m∠C = _____
 	
    m∠ABC = _____	