Name: _____ School: _____

Class: _____ Date: _____

Interior and Exterior Angles Quiz

Multiple Choice: Choose the correct answer from the options given.

1. An interior angle is an angle that is _____ the triangle.

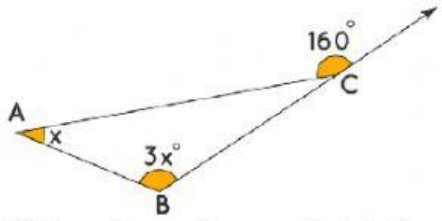
   a. Inside b. outside c. around d. on top

2. An exterior angle is an angle that is _____ the triangle.

   a. Inside b. outside c. around d. on top

3. The _____ states that the outside angle of a triangle is always equal to the sum of the opposite interior angle.

   a. Interior angle theorem b. exterior angle theorem c. right angle theorem



4. Which angles are the opposite interior angles in the triangle above?

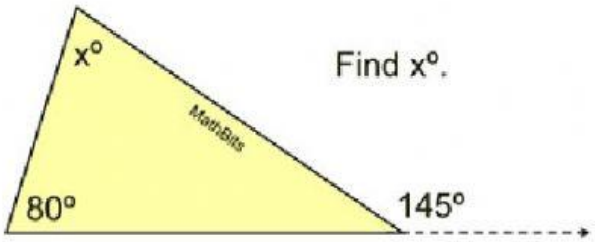
   a. A & C b. A & B c. C & B d. B & C

5. When finding the missing measurement of an interior angle you should _____.

   a. add b. subtract c. divide d. multiply

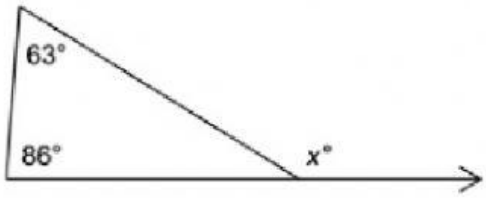
6. When finding the missing measurement of an exterior angle you should _____.

   a. add b. subtract c. divide d. multiply



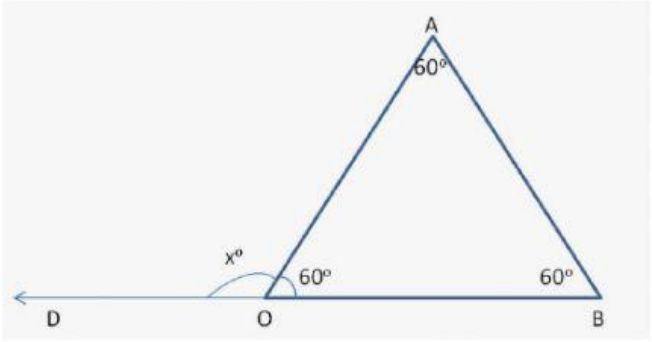
7. What is the measurement of 'X' in the triangle above?

a. 80 degrees b. 145 degrees c. 65 degrees d. 225 degrees



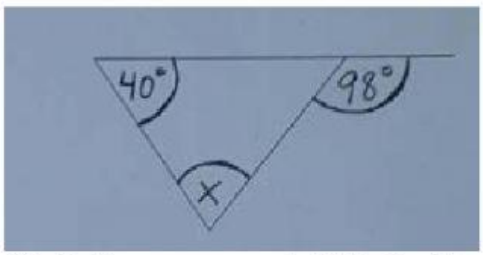
8. What is the measurement of 'X' in the triangle above?

a. 63 degrees b. 149 degrees c. 23 degrees d. 86 degrees



9. What is the measurement of 'X' in the triangle above?

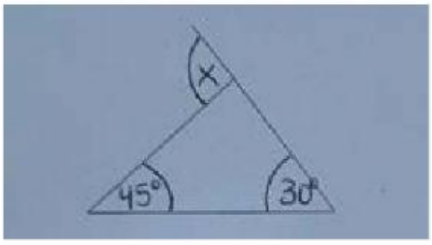
a. 120 degrees b. 0 degrees c. 60 degrees d. 180 degrees



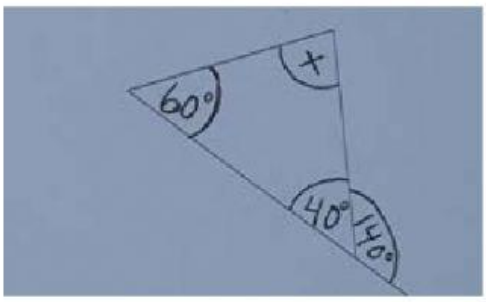
10. What is the measurement of 'X' in the triangles above?

a. 40 degrees b. 138 degrees c. 58 degrees d. 98 degrees

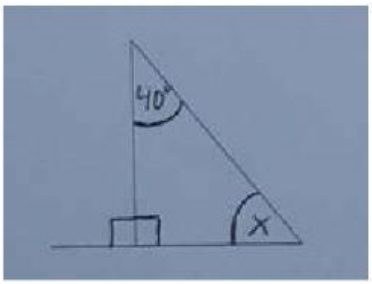
Problem Solving: Solve for x

11. 

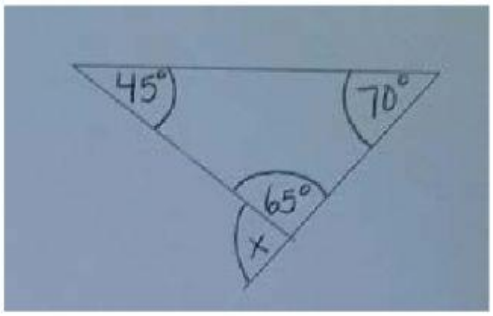
X = _____

12. 

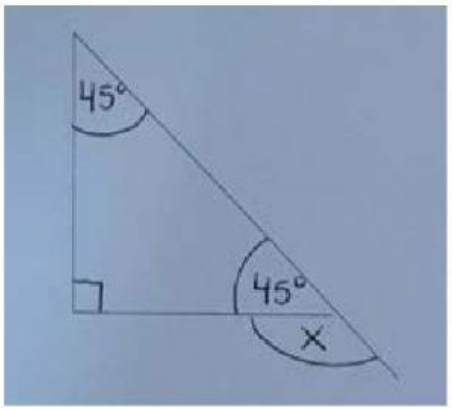
X = _____

13. 

X = _____

14. 

X = _____

15. 

X = _____