

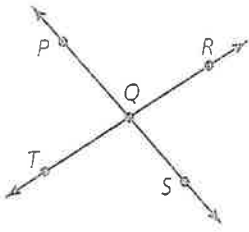
NAME: \_\_\_\_\_  
 TRIANGLES

DATE: \_\_\_\_\_  
 PERIOD: \_\_\_\_\_

### QUIZ

Name two pairs of adjacent angles and two pairs of vertical angles in the figure. Make sure you use three (3) letters to name the angles.

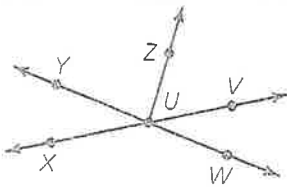
1.



Adjacent Angles

Vertical Angles

2.

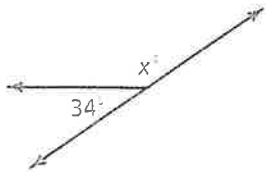


Adjacent Angles

Vertical Angles

Tell whether the angles are *adjacent* or *vertical*. Write an equation to find the value of  $x$ . Then solve the equation algebraically.

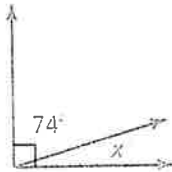
3.



Adjacent      Vertical

Show work below.

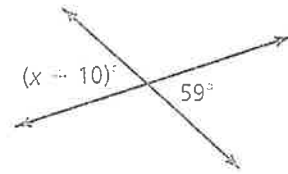
4.



Adjacent      Vertical

Show work below.

5.

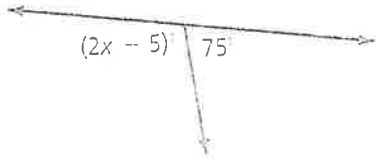


Adjacent      Vertical

Show work below.

Tell whether the angles are *complementary* or *supplementary*. Write an equation to find the value of  $x$ . Then solve the equation algebraically.

6.

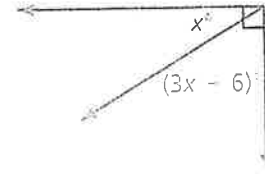


**Complementary**

**Supplementary**

*Show work below.*

7.



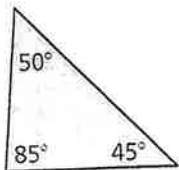
**Complementary**

**Supplementary**

*Show work below.*

Classify the triangle according to its side and angle. Circle the appropriate words.

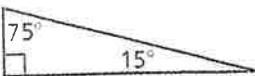
8.



**SIDE:** scalene    isosceles    equilateral

**ANGLE:** acute    right    obtuse

9.

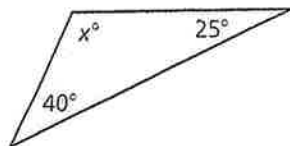


**SIDE:** scalene    isosceles    equilateral

**ANGLE:** acute    right    obtuse

Write an equation to find the value of  $x$ . Then solve the equation algebraically. Show your work in the space.

10.



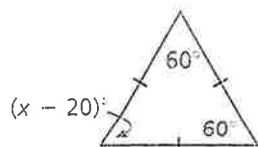
Show work below.

11.



Show work below.

12.



Show work below.