Review Worksheet for the Unit 6 Quiz

Name_____ Class Period_____

*Know the Pythagorean Theorem and how to apply it
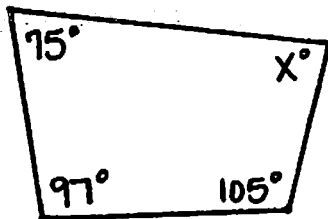
*Know the Distance Formula and how to apply it

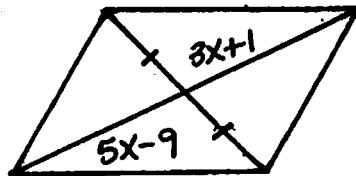***Know the Quadrilaterals we have studied and all of their properties**

        -Parallelogram
        -Rectangle
        -Rhombus
        -Square
        -Trapezoid
        -Isosceles Trapezoid
        -Kite

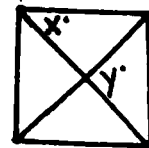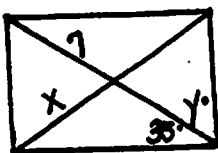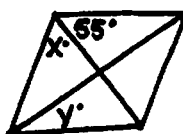**For the following problems, find the value of the variable(s).**

1. Quadrilateral

75° x°
97° 105°

2. Parallelogram

3x+1
5x-9

3. Square

x°
y°

4. Rectangle

7
x   y°
35°

5. Rhombus

55°
x°
y°

6. Parallelogram

(7x+25)°
(17x-13)°
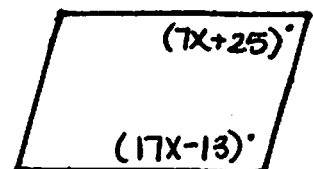
1. Name three types of parallelograms.

Fill in the blank with *always, sometimes, or never*.

2. A kite is _____ a quadrilateral.

3. A square is _____ a trapezoid.

4. A parallelogram is _____ a kite.

5. A rhombus is _____ a square.

6. A square is _____ a rhombus.

7. A trapezoid is _____ a parallelogram.

Complete the statement.

8. The diagonals of a rhombus are _____.

9. The diagonals of a rectangle are _____.

10. The diagonals of a square are _____ and

_____.

11. In a parallelogram, opposite angles are _____.

12. In a parallelogram, consecutive angles are _____.

13. A parallelogram with four congruent sides is a(n) _____.

14. A quadrilateral with exactly one pair of parallel sides is a(n)

_____.

15. A trapezoid with two congruent legs is a(n) _____.

16. A quadrilateral with no parallel sides is a(n) _____.