Name: _____   Date _____

Identify the statements as true or false.

1. The opposite sides of parallelogram are equal and parallel to each other

2. Opposite angles of rectangle are equal.

3. The diagonal of rhombus bisects each other.

4. The isosceles trapezoid has all sides equal.

5. The median of a trapezoid is parallel to the base.

6. The square has four right angles.

Answer the following questions dealing with quadrilaterals

7. The perimeter of a square is 28. What is the area of the square?

8. The diagonals of a rhombus are 12 and 16. Find the perimeter of the rhombus.

9. If one angle of a parallelogram is 42°, find the number of degrees in the remaining 3 angles?

10. The opposite sides of a parallelogram are represented by 6x + 5 and 2x + 7. Find the length of the side of the parallelogram represented by 6x – 1.

Name: _____

Topic: _The Quadrilateral family - Worksheet 2_

Identify the statements as true or false.

1. The diagonals of parallelogram bisects at right angle.

2. Opposite sides of rectangle are not parallel.

3. The isosceles trapezoid has two sides and two angles equal.

4. The square has all sides and all angles equal.

5. The median of a rectangle bisect the bases.

6. The square has equal diagonals.

Answer the following questions dealing with quadrilaterals

7. The perimeter of a square is 32. What is the area of the square?

8. The diagonals of a rhombus are 14 and 24. Find the perimeter of the rhombus.

9. If one angle of a parallelogram is 46°, find the number of degrees in the remaining 3 angles?

10. The opposite sides of a parallelogram are represented by 7x + 6 and 4x + 9. Find the length of the side of the parallelogram represented by 5x - 2.

Name: _____   Date _____

Topic: *The Quadrilateral family – Worksheet 3*

Identify the statements as true or false.

1. The diagonals of parallelogram are equal in length.

2. A rectangle is a four sided shape and has every angle is a right angle.

3. The isosceles trapezoid has two sides and parallel to each other.

4. A rhombus has two opposite sides equal and parallel.

5. The diagonals of a square do not bisect each other.

6. The square has all opposite sides equal.

Answer the following questions dealing with quadrilaterals

7. The perimeter of a square is 36. What is the area of the square?

8. The diagonals of a rhombus are 8 and 12. Find the perimeter of the rhombus.

9. If one angle of a parallelogram is $44°$, find the number of degrees in the remaining 3 angles.

10. The opposite sides of a parallelogram are represented by $5x + 3$ and $2x + 9$. Find the length of the side of the parallelogram represented by $2x - 2$.

Name: _____   Date _____

Topic: _The Quadrilateral family – Worksheet 4_

Identify the statements as true or false.

1. The two opposite sides and angles of parallelogram are equal.

2. A rectangle has all sides of same length.

3. The isosceles trapezoid has equal diagonals.

4. A rhombus has opposite angles equal to each other.

5. The diagonal of a square are parallel to the base.

6. A rectangle has four equal sides.

Answer the following questions dealing with quadrilaterals

7. The perimeter of a square is 20. What is the area of the square?

8. The diagonals of a rhombus are 10 and 14. Find the perimeter of the rhombus.

9. If one angle of a parallelogram is 38°, find the number of degrees in the remaining 3 angles.

10. The opposite sides of a parallelogram are represented by 5x + 3 and 2x + 9. Find the length of the side of the parallelogram represented by 4x – 3.

Name: _____   Date _____

Topic: *The Quadrilateral family - Worksheet 5*

Identify the statements as true or false.

1. A rhombus is also a square.

2. A rectangle has opposite sides are parallel and of equal length.

3. The sides of isosceles trapezoid that are parallel are equal in length.

4. The diagonal of rhombus bisect each other at right angles.

5. A square has opposite sides parallel.

6. The diagonals of rectangle are congruent and bisect each other.

Answer the following questions dealing with quadrilaterals

7. The perimeter of a square is 16. What is the area of the square?

8. The diagonals of a rhombus are 10 and 22. Find the perimeter of the rhombus.

9. If one angle of a parallelogram is 52º, find the number of degrees in the remaining 3 angles.

10. The opposite sides of a parallelogram are represented by 4x + 2 and 3x + 4. Find the length of the side of the parallelogram represented by 7x - 4.