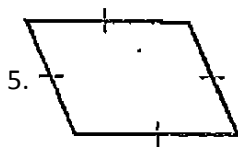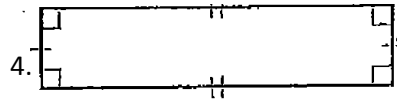# Quadrilaterals Practice February 26, 2016
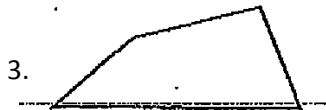
Classify the quadrilateral in as many ways as possible. Write *Quadrilateral, parallelogram, rectangle, rhombus, square, or trapezoid.*

1.

2.

3.

4.

5.

6.
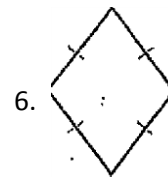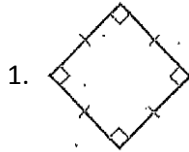
7. Jenny draws a quadrilateral on a canvas in her art class. Is it possible for Jenny to draw a parallelogram that is not a rectangle? Explain.

8. Is it possible for Jenny to draw a square and a rhombus that are congruent? Explain.

9.   Which figures have perpendicular sides?
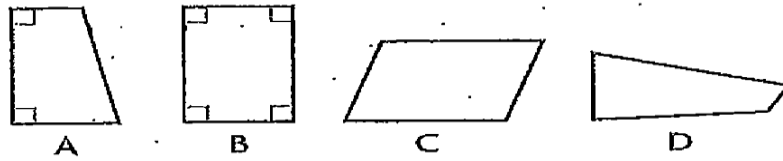
10.   Which of the following is **NOT** a parallelogram?

A.   Rhombus

B.   Square

C.   Trapezoid

D.   Rectangle

11.   Which of the following is a regular polygon?

A.   Parallelogram

B.   Rectangle

C.   Rhombus

D.   Square

12.   Which statement is true about the two figures below?
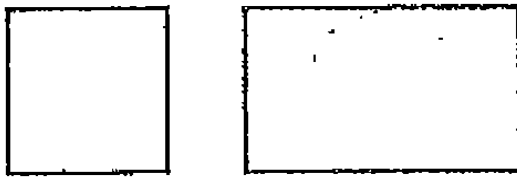
A.   They have a different number of right angles.

B.   They are not congruent.

C.   They are rhombuses.

D.   They are squares.

13.   Becca draws two different quadrilaterals. Both quadrilaterals have two pairs of parallel sides. Only one quadrilateral has four right angles. What might the quadrilaterals be?

      A.   Square and parallelogram

      B.   Rectangle and square

      C.   Rectangle and trapezoid

      D.   Parallelogram and Trapezoid

14.   Tim cuts paper quadrilaterals like the one below to use in an art project.

      If he cuts the quadrilateral in half, which quadrilaterals result from the cut?

      A. Two rhombuses
      B. Two parallelograms
      C. Two trapezoids
      D. A trapezoid and a parallelogram

15.   A quadrilateral has exactly 1 pair of parallel sides and no congruent sides. What type of quadrilateral is it?

      A.   rectangle

      B.   rhombus

      C.   parallelogram

      D.   trapezoid

16.   Which statement is true about squares and rhombuses?

      A.   A square is never a rhombus

      B.   A rhombus is never a square.

      C.   A square is always a rhombus.

      D.   A rhombus is always a square.

17. A quadrilateral has two parts of parallel sides. It also has four congruent sides. What might the shape be?

 A. square or rhombus

 B. rectangle or trapezoid

 C. square or trapezoid

 D. trapezoid or parallelogram

18. Gina only uses parallelograms in her design. Which of the following shapes can she use?
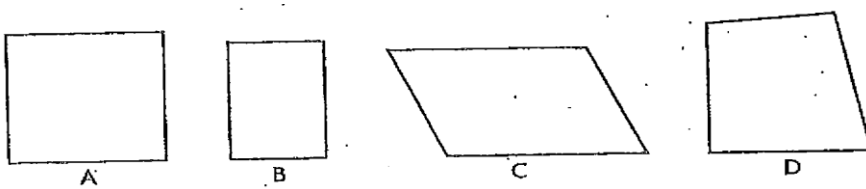
 A. B, C, D only
 B. A, B, C only
 C. A and D only
 D. B and C only

19. Nat says that a square is a rectangle because it has 4 right angles. Mallory says that a square is a rhombus because it has 4 equal sides. Who is correct? Explain.

20. Which of the following statements is **NOT** true?

 A. A trapezoid is a rectangle?

 B. A square is also a rectangle.

 C. A rectangle is a quadrilateral.

 D. A square is also a rhombus.

Name_____