Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_ Hour: \_\_\_\_\_

Coordinate Classification Practice

Determine whether the figure is a trapezoid, a parallelogram, a square, a rhombus or a general quadrilateral given the vertices. Show your work! Graph the figure to help you. If the graph is not large enough, extend it for you ☺



1.

 Slopes: Distances:

Conclusion:

ABCD \_\_\_\_\_\_\_\_\_\_ a parallelogram because \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

ABCD \_\_\_\_\_\_\_\_\_\_ a rhombus because \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

ABCD \_\_\_\_\_\_\_\_\_\_ a rectangle because \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

ABCD \_\_\_\_\_\_\_\_\_\_ a square because \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 (is or is not)

Review: Find the perimeter.

2.

 Slopes: Distances:

Conclusion:

BEFG \_\_\_\_\_\_\_\_\_\_ a parallelogram because \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

BEFG \_\_\_\_\_\_\_\_\_\_ a rhombus because \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

BEFG \_\_\_\_\_\_\_\_\_\_ a rectangle because \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

BEFG \_\_\_\_\_\_\_\_\_\_ a square because \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 (is or is not)

Review: Find the perimeter.

3.

Slopes: Distances:

Conclusion:

BEFG \_\_\_\_\_\_\_\_\_\_ a parallelogram because \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

BEFG \_\_\_\_\_\_\_\_\_\_ a rhombus because \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

BEFG \_\_\_\_\_\_\_\_\_\_ a rectangle because \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

BEFG \_\_\_\_\_\_\_\_\_\_ a square because \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 (is or is not)

Review: Find the perimeter.

**Find the missing coordinate in the quadrilateral. Practice for MIDTERM! ☺**

4. $ABCD$ is a rectangle with $B\left(-10,  7\right), C\left(-10,  4\right), $and $D(8,  4)$.  Find the coordinates of $A.$

1. $A(7,  10)$
2. $A(8,  10)$
3. $A(4,  7)$
4. $A(8,  7)$
5. $A(-10,  4)$

5. $ABCD$ is a rectangle with $B\left(-4,  0\right), C\left(-4,  2\right), $and $D(12, 0)$.  Find the coordinates of $A.$

1. $A(0, -4)$
2. $A(0,  4)$
3. $A(12, 2)$
4. $A(2, 12)$
5. $A(-2,  4)$

6.$ ABCD$ is a rectangle with $B\left(2, 4\right), C\left(-3,  3\right), $and $D(2,  3)$.  Find the coordinates of $A.$

1. $A(3,  4)$
2. $A(-3, 4)$
3. $A(3, -3)$
4. $A(2,  2)$
5. $A(4,  3)$

KEY:

1. Rectangle,

2. Rhombus,

3. Square,

4. D

5. C

6. B