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.
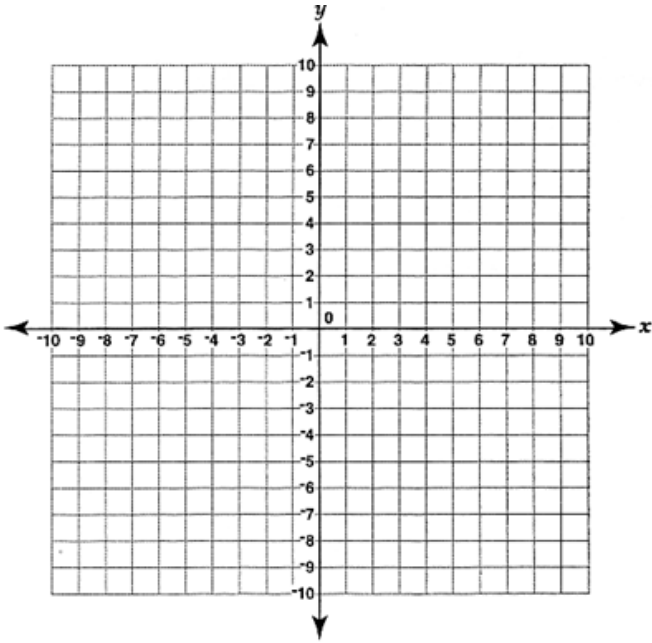
Here are the questions: the following pages give you room to graph and write out your solutions. Please make sure you complete all parts of the question.

1. $A(-1, -5), B(-3, 0), C(2, 2), D(4, -3)$

2. $B(-9, 1), E(2, 3), F(12, -2), G(1, -4)$

3. $B(1, 3), E(7, -3), F(1, -9), G(-5, -3)$

1. $A(-1, -5), B(-3, 0), C(2, 2), D(4, -3)$

Slopes: Distances:
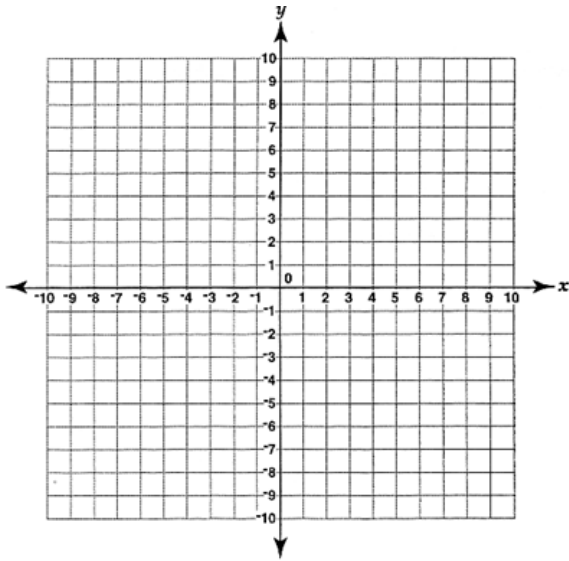

Conclusion:

ABCD _____ a parallelogram because _____

ABCD _____ a rhombus because _____

ABCD _____ a rectangle because _____

ABCD _____ a square because _____

   (is or is not)

2. $B(-9, 1), E(2, 3), F(12, -2), G(1, -4)$

Slopes: Distances:

Conclusion:

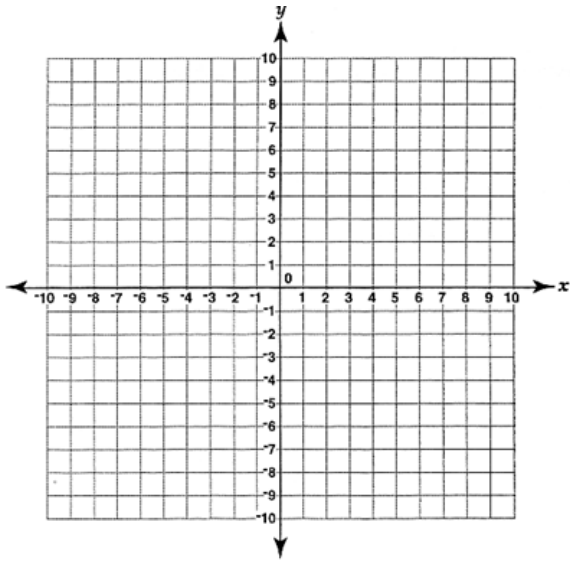BEFG _____ a parallelogram because _____

BEFG _____ a rhombus because _____

BEFG _____ a rectangle because _____

BEFG _____ a square because _____

   (is or is not)

3. $B(1, 3)$, $E(7, -3)$, $F(1, -9)$, $G(-5, -3)$

Slopes: Distances:

Conclusion:

BEFG _____ a parallelogram because _____

BEFG _____ a rhombus because _____

BEFG _____ a rectangle because _____

BEFG _____ a square because _____

(is or is not)