**Secondary Math 2 2.4 Homework Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Period: \_\_\_\_\_\_\_**

**Coordinate Geometry**

**Triangle Coordinate Geometry:**

|  |  |  |  |
| --- | --- | --- | --- |
|  | What is the most precise classification of the triangle formed by the given vertices?Conclusion: |  | What is the most precise classification of the triangle formed by the given vertices?$$P\left(-3,5\right),Q\left(5,5\right), R\left(3,1\right)$$Conclusion:  |

**Review Problems:**

|  |  |  |  |
| --- | --- | --- | --- |
|  | Is $\overbar{BE} ∥\overbar{CD}$? (Hint: Use the Triangle Proportionality Theorem) |  | Find the lengths of $\overbar{CB} and \overbar{CD}$ |
|  | Given the parallelogram below, solve for x: |  | Solve for x. Justify your answer. |

**Quadrilateral Coordinate Geometry:**

|  |  |  |  |
| --- | --- | --- | --- |
|  | $$A\left(-3,2\right), B\left(1,3\right), C\left(2,7\right), D(-2,6)$$Conclusion: |  | $$A\left(-4,3\right), B\left(-1,6\right), C\left(4,1\right), D(1,-2)$$Conclusion: |