**Secondary Math 2 2.2 Homework Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Period: \_\_\_\_\_\_\_**

**Triangle Proportionality and Angle Bisector Theorem**

**Conceptual Understanding:**

|  |  |  |  |
| --- | --- | --- | --- |
|  | Solve for x. Justify your answer. |  | Solve for x. Justify your answer. |

**Review Problems:**

|  |  |  |  |
| --- | --- | --- | --- |
|  | Find , and . |  | Find , , and . |
|  | Find , , and . |  | Solve for *x* given is a midsegment of the triangle. |

**Extended Understanding:**

|  |  |  |  |
| --- | --- | --- | --- |
|  | Find the length of . |  | Find the lengths of . |