**Secondary Math 2 6.1 Homework Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Period: \_\_\_\_\_\_\_**

**Adding, Subtracting, and Multiplying Polynomials**

1. **Simplify and put your answer in standard form**

|  |  |  |  |
| --- | --- | --- | --- |
| a) |  | b) |  |

1. **Simplify and put your answer in standard form**

|  |  |  |  |
| --- | --- | --- | --- |
| a) |  | b) |  |

**Review Problems**

|  |  |  |  |
| --- | --- | --- | --- |
|  | Simplify: |  | Simplify: |
|  | Simplify and put in standard form: |  | Solve for x using the Pythagorean Theorem: |

**Extended Understanding:** Simplify, put the expression in standard form, and **state the degree.**

|  |  |  |  |
| --- | --- | --- | --- |
|  |  |  |  |

Problems 7) and 8) have the same terms being operated on but with a minor adjustment in how the terms are grouped. Write a sentence that explains why the results for those two problems are not the same.