**Secondary Math 2 6.4 Homework Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Period: \_\_\_\_\_\_\_**

**Factoring Quadratics (Day 2)**

**Conceptual Understanding:**

|  |  |  |  |
| --- | --- | --- | --- |
|  | $$5x^{2}+8x+3$$ |  | $$7x^{2}+9x-10$$ |

**Review Problems:**

|  |  |  |  |
| --- | --- | --- | --- |
|  | Simplify:$$\left(5x-3\right)\left(x-2\right)$$ |  | Simplify:$$\left(2x-7\right)^{2} $$ |
|  | Factor Completely:$$x^{2}+12x-13$$ |  | Simplify:$$\left(7x^{2}+1\right)-\left(2x^{2}-6x\right)$$ |

**Extended Understanding:**

|  |  |  |  |
| --- | --- | --- | --- |
|  | $$6x^{2}+16x+8$$ |  | $$12x^{2}+10x-8$$ |