**Secondary Math 2 6.3 Homework Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Period: \_\_\_\_\_\_\_**

**Factoring Quadratics (Day 1)**

**Factor Completely:**

|  |  |  |  |
| --- | --- | --- | --- |
|  | $$x^{2}-2x-24$$ |  | $$x^{2}+2x$$ |

**Review Problems:**

|  |  |  |  |
| --- | --- | --- | --- |
|  | Simplify:$$\left(5x^{2}-2x\right)-\left(3x^{2}+4x\right)$$ |  | Simplify:$$4x\left(4x+7\right)$$ |
|  | Perform the indicated operation:$$\left(5x^{2}+3\right)\left(9x-5\right)$$ |  | Factor by grouping:$$21xy-28x+3y^{2}-4y$$ |

**Factor Completely:**

|  |  |  |  |
| --- | --- | --- | --- |
|  | $$5x^{2}-10x-75$$ |  | $$2x^{2}+6x-140$$ |