Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**F.1 Factoring GCMF**

Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

* The **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**of a polynomial is the largest monomial that can \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ each term of the polynomial.

|  |  |
| --- | --- |
| **42:**  **48:**   * **The GCMF is \_\_\_\_\_\_\_\_\_\_\_\_ because that is the largest monomial that can divide into both 42 and 48.** | |
| **24:**  **54:**  **The GCMF is \_\_\_\_\_\_\_\_\_\_\_\_ because that is the largest monomial that can divide into both 24 and 54.** | |
| **8x + 24**  **GCMF:**  **Factored form:** | **5x – 30**  **GCMF:**  **Factored form:** |
| **21x4 + 9x2**  **GCMF:**  **Factored form:** | **7x5 - 49x3**  **GCMF:**  **Factored form:** |
| **You Try! 6x3 + 18x2 + 12x**  **GCMF:**  **Factored form:** | |

**HW!** Find the greatest common monomial factor in each expression below, then write in factored form.

|  |  |
| --- | --- |
| **GCMF:**  **Factored form:** | **GCMF:**  **Factored form:** |
| **GCMF:**  **Factored form:** | **GCMF:**  **Factored form:** |
| **GCMF:**  **Factored form:** | **GCMF:**  **Factored form:** |
| **GCMF:**  **Factored form:** | **GCMF:**  **Factored form:** |
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