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.

|  |  |
| --- | --- |
| 1.

**GCMF:** **Factored form:** | 1.

**GCMF:** **Factored form:** |
| 1.

**GCMF:** **Factored form:** | 1.

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