**GCF Factoring**

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| --- | --- |
| 1. 4x2 – 16x | 1. 3x5 + 27x2 |
| 1. 12x2 +20x – 32 | 1. 8x5 – 28x2 |

**Difference of Two Squares NOTES:**

|  |  |
| --- | --- |
| 1. x2 - 16 | 1. 36x2 – 121 |
| 1. 25x2 – 16 | 1. 4x2 – 81y2 |

**Practice using Difference of Two Squares:**

|  |  |
| --- | --- |
| 1. x2 – 25 | 1. x2 – 121 |
| 1. x2 - 81 | 1. 3x2 – 48 |
| 1. 4x2 – 49 | 1. 36x2 – 1 |

**Sum of Squares NOTES:**

|  |  |
| --- | --- |
| 1. x2 + 64 | 1. x2 + 9 |
| 1. x2 + y2 | 1. 9x2 + 121 |

**Practice using Sum of Squares:**

|  |  |
| --- | --- |
| 1. x2 + 4 | 1. x2 + 25 |
| 1. 4x2 + 81 | 1. 2x2 + 50 |

**GROUPING NOTES:**

|  |  |
| --- | --- |
| 1. x3 - 2x2 – 9x + 18 | 1. 2x3 – 8x2 + 3x – 12 |
| 1. 4x3 + 16x2 - x – 4 | 1. x3 – x2 – 4x + 4 |