**GCF Factoring**

|  |  |
| --- | --- |
| 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
 |