**Unit 1: Factoring and Graphing Quadratics**

**By the end of the unit students will be able to:**

1) Factor quadratic binomial, trinomial, and polynomials of 4 terms.

2) Solve quadratic equations by factoring.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Day** | **Date** | **Lesson** | **Assignment** | **Checked** |
| 1 | Mon.  Aug. 28th | Introductions and Expectations  Adding/Subtracting Polynomials | Homework 1-1  Diversity Quilt  Forms/Surveys |  |
| 2 | Tues. Aug. 29th | Multiplying Polynomials | Homework 1-2 |  |
| 3 | Wed. Aug. 30th | Factoring: GCF, Grouping, Difference of Squares | Homework 1-3 |  |
| 4 | Thurs. Aug. 31st | Review Factoring Trinomials | Homework 1-4 |  |
| 5 | Fri.  Sep. 1st | **Review and Quiz** | Homework 1-5 |  |
| 6 | Mon.  Sep. 4th | Labor Day  No School ☺ |  |  |
| 7 | Tues.  Sep. 5th | Solve by Factoring | Homework 1-6 |  |
| 8 | Wed.  Sep. 6th | Solve by Factoring | Homework 1-7 |  |
| 9 | Thurs.  Sep. 7th | Review for Unit 1 Test | Review for Test |  |
| 10 | Fri.  Sep. 8th | Test | Unit 2 Placemat |  |

**Honors Math 2 HW 1-1 Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**1.**  **2.**

**3.** **4.**

**5.** **6.**

**7.** **8.**

**9.** **10.**

11. **12.**

**13.** **14.**

**15.** **16.**

**Honors Math 2 HW 1-3 Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Factor completely:**

1. 4d4 – 2d10 + 12d5 2. 8x6 + 2v5 – 10x9 3. 24a2b5 – 48a3b7

4. 2x2 + 4xy – 6x – 12y 5. 2ah + h + 2ab + b 6. X2 – 25

7. 2a2 + 4a + 3ab + 6b 8. 25d3 – 100d2 – d + 4 9. y3 - 7y2 + 4y – 28

10. 9g2 – 25 11. X4 – 16 12. 3x2 - 75

**Honors Math 2: Factoring HW 1-4**

|  |  |  |
| --- | --- | --- |
| 1. x2 – 18x + 80 | 2. 5x2y - x2 + 5y - 1 | 3. 3y2 – 15y + 18 |
| 4. a3 – a2b + ab2 – b3 | 5. x4 – 15x3 + 56x2 | 6. k2 – 8k + 16 |
| 7. 2z2 – 12z + 18 | 8. c4 + c3 – 12c - 12 | 9. 25y2 – 100 |

**Honors Math 2 HW 1-5 Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Factor or Simplify each of the following as needed. Check your work!! ☺**

1. 2.

3. 4.

5. 6.

7. 8.

9. 10.

**HW 1-6 and 1-7: Solving Quadratic Equations**

**1-6 Assignment: Odd Problems 1-7 Assignment: Even Problems**

**Solve each equation by factoring. Solve each equation by factoring.**

**Use your OWN PAPER! ☺ Use your OWN PAPER! ☺**



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