Algebra 1- Week 16 Homework

**Monday-**

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| 1) Examine the problems below. Circle the problems that have been multiplied correctly. Draw an “X” through the problems that are incorrect. Then, write the correct answer beneath of the problem. **3x(x2 + 4x + 8) (4x + 1)(x + 4) (2x + 4)(5 – 3x) (7x – 7)(4x3 + 5x2 + 1)** 3x3 + 7x2 + 24 4x2 + 4 – 6x2 – 2x + 20 28x4 + 7x3 – 35x2 + 7x – 7  |
| 2) Brandon multiplied two monomials together. The degree of the first monomial was 5 and the degree of the second monomial was 2. What was the degree of his final answer?  |

**Tuesday-**

**Find the greatest common monomial factor:**

|  |  |
| --- | --- |
| 1. 3x + 18
 | 1. 4w2 + 8xy
 |
| 1. 12x3 + 4x2 + 10x
 | 1. 40x4y3 + 24x4y2 + 16x2y
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**Wednesday-** Finish factoring trinomials investigation if didn’t finish in class using <https://technology.cpm.org/general/tiles/> also, please catch up on previous missing work!

**Thusday-**

***Write the trinomial below in factored form (as the product of two binomials)***

1. x2 + 15x + 36
2. x2 + 6x + 9
3. x2 – 9x – 22
4. 5x2 + 15x + 10

**Friday-**

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