NCM1B Unit 3 Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Date:

**Homework Lesson 3: Difference of Two Squares (DOTS)**

**I. Factor Completely. If factoring is not possible, write *prime.***

1. x2 – 81 2. m2 – 100 3. 16n2 – 25

4. 36x2 – 100y2 5. 49x2 – 32 6. 16a2 – 9b2

7. 2y4 – 32y2 8. 72p2 – 50 9. 4x3 – 100x

10. – 2 + 2x2 11. 6 – 54a2 12. 6x2 – 25

**II. Review - Factor Completely.**

1. 24x + 28y 2. 30mn2 + m2n – 6n 3. 4m2 + 4mn + 3mn + 3n2

4. 9x2 – 3x 5. 6y2 – 4y + 3y – 2 6. 12a2 + 3a – 8a – 2