Name:

Algebra

Section 4.1

**Simplify the polynomial**

1. 6m – 6n – 4m + n 2. n2 – 4n – 3n2 + 7n + 5n2

3. p2q – q3 – 3p2q + 4q3

4. -3x2 + 7x2y – x3 + xy2 + 4x3 – 3x2y

**Add then Subtract**

5. 4x + 7 6. 7n – 6

 x – 2 n + 4

7. -2p + 4q – 7 8. 4 – 3n – 5n2

 -4p – 2q + 5 -2 + n – 3n2

9. 8p2 – 5pq + 6q2

 -2p2 + 5pq – 4q2

**Simplify**

10. (7x – 6y + 4z – 1) + (-3x + 3y – 5z + 3) + (-2x – y + z – 4)

11. (2p – 7q – 4) + (3q + 2p – 1) 12. (3m + 5) – (-2m + 3)

13. (a – 3b + 5) – (-a + 2b + 3) 14. (y2 + 6y – 5) + (-y2 – 3y – 1)

15. (y2 – 3y – 5) – (-y2 – 7y + 4)