

Algebra

9.1 to 9.4 Review

Name: _____

Period: _____ #: _____

(Section 9.1) Simplify. Write answer in standard form.

1. $(2x^2 - 7x + 1) + (4x^2 + 2x + 3)$

2. $(5x^2 - 7x + 3) - (x^2 + 5x - 4)$

(Section 9.2) Multiply.

3. $4x(2x^2 + 3x + 2)$

4. $-3b^2(b^2 - 2b + 1)$

(Section 9.2) Factor each polynomial. (hint: GCF)

5. $5x^2 + 15x$

6. $4x^3 + 8x^2 + 10x$

(Sections 9.3 & 9.4) Multiply using the method of your choice. Write answer in standard form.

7. $(x + 7)(x + 5)$

8. $(4x + 2)(3x - 6)$

9. $(x + 4)(2x^2 + 3x + 5)$

10. $(x + 10)(x - 10)$

11. $(x + 4)^2$

12. $(x - 8)^2$