# Algebra 1 Chapter 7 Test Review

**Short Answer**

**Factor the polynomial.**

1. $56w^8 + 42w^5$

**Simplify the product.**

2. $(3x + 7)(3x + 4)$

3. $(5h - 6)(3h - 2)$

4. $(2n^2 + 5n + 4)(3n - 5)$

**Find the square.**

5. $(9x - 4)^2$

**Find the product.**

6. $(7p - 2)(7p + 2)$

**Factor Completely**

7. $12x^2 + 10x - 12$

8. $m^2 - 12m - 64$

9. $9b^2 - 4$

10. $8x^2 - 6x - 9$

11. $5x^2 - 44x - 9$

**Find the GCF.**

12. $52x^{10} - 39x^8 + 51x^5 - 26x^3$

13. For what value of $b$ would $(m+b)(m-b)$ be the factors of $m^2 - 169$?