

Name: _____ Show work needed to justify your answer. Date: _____

HW # 62a: Algebra 1 - Standard 38 - Factor Special Products

5 points

Factor each polynomial.

2. $r^4 - k^4$

3. $w^4 - 625$

5. $h^4 - 256$

8. $3c^3 + 2c^2 - 147c - 98$

9. $f^3 + 2f^2 - 64f - 128$

10. $r^3 - 5r^2 - 100r + 500$

11. $3t^3 - 7t^2 - 3t + 7$

13. $4m^3 + 9m^2 - 36m - 81$

14. $3x^3 + x^2 - 75x - 25$