

Name: _____
Algebra 2

Date: _____

Band: _____
Factoring Special Cases Homework

1. Can you use the perfect square trinomial pattern to factor $y^2 + 16y + 64$? Explain.

Factor the polynomial.

2. $m^2 - 49$

3. $z^2 - 81$

4. $64 - 81d^2$

5. $25 - 4x^2$

6. $225a^2 - 36b^2$

7. $16x^2 - 169y^2$

8. $h^2 + 12h + 36$

9. $p^2 + 30p + 225$

10. $y^2 - 22y + 121$

11. $x^2 - 4x + 4$

12. $a^2 - 28a + 196$

13. $m^2 + 24m + 144$

14. $25n^2 + 20n + 4$

15. $49a^2 - 14a + 1$