

Name: _____ Period: _____ Date: _____

Factoring Special Cases Assignment

Factor the following polynomials in difference of two square.

1. $4x^2 - 36$

2. $y^2 - 25$

3. $9a^2 - 4b^2$

4. $25a^2 - 16$

5. $100x^2 - 1$

6. $4y^2 - 64$

7. $4b^2 - 121$

8. $d^2 - 144$

9. $y^2 - 169$

10. $9a^2 - 196$

Factoring Special Cases Assignment

Factor the following perfect square trinomials.

11. $x^2 + 16x + 64$

12. $4y^2 - 40y + 100$

13. $a^2 - 10a + 25$

14. $4a^2 + 16a + 16$

15. $4x^2 + 60x + 225$

16. $9y^2 - 72y + 144$

17. $9b^2 + 54b + 81$

18. $4d^2 - 44d + 121$

19. $4y^2 + 24y + 36$

20. $25a^2 - 140a + 196$