

Factoring a Difference of Squares Practice Worksheet

Name _____ Date _____

Factor completely.

1. $a^2 - 4$

2. $y^2 - 1$

3. $x^2 - 64$

4. $1 - 49c^2$

5. $100r^2 - 9$

6. $36 - n^2$

7. $144 - 9f^2$

8. $5c^2 - 4d^2$

9. $4g^2 - 81h^2$

10. $36j^2 - 49m^2$

11. $8n^2 - 72p^2$

12. $20q^2 - 5r^2$

13. $s^4t^2 - 4t^2$

14. $36n^2 - 25$

15. $49 - 100k^2$

16. $32 - 8a^2$

17. $121r^2 - 1$

18. $2yz^4 - 50yz^2$

19. $25v^5x - 9v^3x$

20. $200y^2z^5 - 242y^4z^3$

21. $75x^2 - 147y^2$

22. $x^2 + y^2$

23. $x^2y^2 - z^2$

24. $24e^2 - 54f^4$

25. $32a^2 - 50b^2$

26. $j^2 - 33k^2$

27. $400x^2 - 49$

28. $2r^4 - 8r^2$