

NAME _____

DATE _____

Module 12 Simplifying Algebraic Expressions by
Factoring Polynomials
Lesson 3 Factoring The Difference of Two
Squares



**additional
practice**

Factor completely, if possible.

1. $b^2 - 1$

2. $y^2 - 25$

3. $36 - z^2$

4. $4 + k^2$

5. $x^2 - 8$

6. $m^2 - 9$

7. $r^4 - 4$

8. $100 - p^6$

9. $d^{12} - 81$

10. $w^{16} - 1$

11. $v^4 - 16$

12. $625 - k^8$

13. $m^2 - n^2$

14. $x^2 - 9y^2$

15. $25a^4 - 81b^2$

16. $36c^8 - 49d^4$

17. $16m^5 - 25n^8$

18. $49x^8 - 100y^{10}$

19. $k^8 - 121m^{10}$

20. $196u^{12} - 81v^2$



21. $324a^6 - 9b^4$

23. $256g^8 - 81h^{12}$

25. $c^8 - d^{16}$

27. $a^{10}b^6 - 36$

22. $225m^6 - 36n^4$

24. $16y^4 - z^8$

26. $p^{24} - q^{12}$

28. $x^{16}y^8 - 64$

