

Factoring: Difference of Two Squares

Factor completely, if possible.

1. $b^2 - 1$

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

2. $y^2 - 25$

12. $625 - k^8$

3. $36 - z^2$

13. $m^2 - n^2$

4. $4 + k^2$

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

5. $x^2 - 8$

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

6. $m^2 - 9$

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

7. $r^4 - 4$

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

8. $100 - p^6$

18. $225m^6 - 36n^4$

9. $d^{12} - 81$

19. $w^8 - 1$

10. $v^4 - 16$

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