

Factoring

Difference of Squares

1. $x^2 - 9$

2. $x^2 - 36$

3. $x^2 - 49$

4. $x^2 - 64$

5. $y^2 - 81$

6. $y^2 - 144$

7. $z^2 - 256$

8. $z^2 - 400$

9. $a^2 - 576$

10. $4 - x^2$

11. $25 - y^2$

12. $100 - z^2$

13. $x^4 - 25$

14. $y^4 - 81$

15. $b^4 - 169$

16. $196 - x^6$

17. $225 - z^8$

18. $625 - a^{12}$

19. $4x^2 - y^2$

20. $9a^2 - 16b^2$

21. $x^4 - 16y^2$

22. $25k^2 - 36l^4$

23. $49a^2x^4 - 25b^2y^2$

24. $81x^2 - 121y^2$

25. $64a^4x^2 - 9z^2$

26. $169x^4 - 100a^2y^2$

27. $x^2 - 144b^2y^2$

28. $12x^2 - 75y^2$

29. $20a^2x^2 - 45y^2$

30. $28x^2 - 63m^2n^2$

31. $x^3 - 4xy^2$

32. $72a^2x^2 - 32a^4$

33. $14x^2y^2 - 56y^4$

34. $x^4 - y^4$

35. $x^8 - 16y^4$

36. $81x^4 - 16y^4$

37. $64a^8x^4 - 4b^4y^8$

38. $162m^4 - 32n^8$

39. $75x^4 - 27y^2$

40. $\frac{4}{9}x^2y^2 - \frac{1}{4}$

41. $\frac{25}{16}a^3x^4 - \frac{4}{9}ay^2$

42. $\frac{9}{4}m^2x^2 - \frac{25}{36}n^2y^2$

43. $(x-2)^2 - 36$

44. $(3x-5)^2 - 81$

45. $169 - (x-y)^2$

46. $(5x+1)^4 - 49$

47. $(x-y)^2 - (x+y)^2$

48. $(3x+1)^6 - (y-3)^4$