

Factoring Review

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Types: Common, Easy Trinomials, Hard Trinomials, Perfect Square Trinomials, and Difference of Square Binomials

REMEMBER: ALWAYS FACTOR COMPLETELY!!!

1. $8m - 4m^2$

2. $9g^2 - 3$

3. $28n^2 - 7n$

4. $14b^3c^2 - 21a^3b^2$

5. $b^2 + 19b - 20$

6. $x^2 + 12x - 28$

7. $t^2 + 15t - 54$

8. $n^2 - 5n - 24$

9. $60 + 17y + y^2$

10. $3p^2 + 33p + 54$

11. $h^3 + 8h^2 + 12h$

12. $-2m^2 - 20m - 32$

13. $8c^2 - 2c - 3$

14. $12x^2 + 23x + 10$

15. $9x^2 - 33x + 28$

16. $2x^2 - x - 15$

17. $10x^2 + 53x + 36$

18. $40x^2 - 91x - 12$

19. $2y^2 + 5y + 2$

20. $5a^2 - 7a - 6$

21. $20r^2 + 70r + 60$

22. $12m^2 - 52m - 40$

23. $y^2 - 81$

24. $25x^2 - 36$

25. $121m^2 - 64n^6$

26. $361a^2 - 1$

27. $8d^2 - 32e^2$

28. $25m^2 - \frac{1}{4}n^2$

29. $\frac{x^2}{16} - \frac{y^2}{49}$

30. $4j^2 - 225k^2$

31. $4x^2 - 12x + 9$

32. $9 + 30n + 25n^2$

33. $49r^2 - 28r + 4$

34. $81 - 36v + 4v^2$

35. $4x^2 + 28xy + 49y^2$

36. $12h^2 + 25hk + 12k^2$

37. $8m^2 - 72n^2$

38. $12x^2 - 27y^2$

39. $16s^4 + 8s^2 + 1$

40. $-100 + r^2$

41. $256a^2b^2 - 1$

42. $y^4 - 5y^2 + 4$

43. $-6m^4 + 486$

44. $5m^4 - 65m^2 + 180$