

Practice

Factoring**Factor completely.**

1. $15a^2b - 10ab^2$

2. $2x^3y - x^2y + 5xy^2 + xy^3$

3. $16r^2 - 169$

4. $c^2 - 49$

5. $2y^2 - 242$

6. $x^3 + 8$

7. $8m^3 - 1$

8. $b^4 - 81$

9. $x^2 - 3x - 10$

10. $r^3 + 3r^2 - 54r$

11. $4a^2 + a - 3$

12. $2t^3 + 32t^2 + 128t$

13. $y^2 + 20y + 96$

14. $6n^2 - 11n - 2$

15. $x^2 - 8x + 16$

16. $21 - 7t + 3r - rt$

17. $x^2 + 2x - xy - 2y$

18. $x^2 + 2xy + 2x + y^2 + 2y - 8$

19. $4x^6 - 4x^2$

20. $k^3 - 2k^2r - 3kr^2$

21. $45x^2 - 80y^2$

22. $36a^3b^2 + 66a^2b^3 - 210ab^4$

23. $4a^2 + 12ab + 9b^2 - 25c^2$

24. $81x^4 - 16$

25. $5y^5 + 135y^2$

26. $18p^3 - 51p^2 - 135p$