

Summary of Factoring

Factor. Check by using FOIL or the distributive property.

1. $6x^2 + x - 15$

2. $m^2 - 12m + 36$

3. $2p^2 - 18$

4. $12w^2 + 28w + 15$

5. $28z^2 - 65z + 28$

6. $42x^2 - xy - 30y^2$

7. $15y^2 - y - 2$

8. $a^2 - b^2$

9. $21x^3 - 35xy^2$

10. $6ax^2 + 11ax - 10a$

11. $45 + 2t^2$

12. $6c^2 - 10c - 4$

13. $18z^2 + 9z + 1$

14. $3s^2 - 12$

15. $15r^2 - 16rt + 4t^2$

16. $4y^3 + 12y^2 - y$

17. $10k^2 + 105km + 270m^2$

19. $102 - 23c + c^2$

21. $u^4 - 7u^3 - 18u^2$

22. $2n^3 - 12n^2y + 18ny^2$

23. $p^4 + 5p^2 + 6$

24. $7j^2 - 112j$