

Factoring: Perfect Square Trinomials

Factor completely.

1. $x^2 + 6x + 9$

9. $x^2 + 8xy + 16y^2$

2. $x^2 + 18x + 81$

10. $x^2 + 2xy + y^2$

3. $p^2 - 6p + 9$

11. $4x^2 - 4x + 1$

4. $x^2 - 10x + 25$

12. $25x^2 - 30x + 9$

5. $x^2 - 4x + 4$

13. $9x^2 + 12xy + 4y^2$

6. $x^2 - 12x + 36$

14. $36x^2 + 12xy + y^2$

7. $4x^2 + 16x + 16$

15. $x^4 + 14x^2y + 49y^2$

8. $3x^2 - 30x + 75$

16. $y^6 + 16y^3 + 64$

