

Practice

Special Products

Find each product.

1. $(n + 9)^2$

2. $(q + 8)^2$

3. $(\ell - 10)^2$

4. $(r - 11)^2$

5. $(p + 7)^2$

6. $(b + 6)(b - 6)$

7. $(z + 13)(z - 13)$

8. $(4e + 2)^2$

9. $(5w - 4)^2$

10. $(6h - 1)^2$

11. $(3s + 4)^2$

12. $(7v - 2)^2$

13. $(7k + 3)(7k - 3)$

14. $(4d - 7)(4d + 7)$

15. $(3g + 9h)(3g - 9h)$

16. $(4q + 5t)(4q - 5t)$

17. $(a + 6u)^2$

18. $(5r + s)^2$

19. $(6c - m)^2$

20. $(k - 6y)^2$

21. $(u - 7p)^2$

22. $(4b - 7v)^2$

23. $(6n + 4p)^2$

24. $(5q + 6s)^2$

25. $(6a - 7b)(6a + 7b)$

26. $(8h + 3d)(8h - 3d)$

27. $(9x + 2y)^2$

28. $(3p^3 + 2m)^2$

29. $(5a^2 - 2b)^2$

30. $(4m^3 - 2t)^2$

31. $(6e^3 - c)^2$

32. $(2b^2 - g)(2b^2 + g)$

33. $(2v^2 + 3e^2)(2v^2 + 3e^2)$

34. **GEOMETRY** Janelle wants to enlarge a square graph that she has made so that a side of the new graph will be 1 inch more than twice the original side s . What trinomial represents the area of the enlarged graph?

GENETICS For Exercises 35 and 36, use the following information.

In a guinea pig, pure black hair coloring B is dominant over pure white coloring b . Suppose two hybrid Bb guinea pigs, with black hair coloring, are bred.

35. Find an expression for the genetic make-up of the guinea pig offspring.

36. What is the probability that two hybrid guinea pigs with black hair coloring will produce a guinea pig with white hair coloring?