

Powers of Binomials
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Simplify.

Answers

1. $(a+4)(a+4)$

1. $a^2 + 8a + 16$

2. $(b-1)(b-1)$

2. $b^2 - 2b + 1$

3. $(c+2)^2 = (\quad)(\quad)$

3. $c^2 + 4c + 4$

4. $(d+8)^2 = (\quad)(\quad)$

4. $d^2 + 16d + 64$

5. $(e-6)^2 = (\quad)(\quad)$

5. $e^2 - 12e + 36$

6. $(f-3)^2 = (\quad)(\quad)$

6. $f^2 - 6f + 9$

7. $(3c+4)^2$

7. $9c^2 + 24c + 16$

8. $(2a+5)^2$

8. $4a^2 + 20a + 25$

9. $(6e-1)^2$

9. $36e^2 - 12e + 1$

10. $(4b-3)^2$

10. $16b^2 - 24b + 9$

11. $(5d+2e)^2$

11. $25d^2 + 20de + 4e^2$

12. $(3m+7n)^2$

12. $9m^2 + 42mn + 49n^2$

13. $(6g-5h)^2$

13. $36g^2 - 60gh + 25h^2$

14. $(7p-4q)^2$

14. $49p^2 - 56pq + 16q^2$

15. $(8u-3v)^2$

15. $64u^2 - 48uv + 9v^2$

Please visit the Learning Lab for further assistance.