

[2018-02-13-T8]

Expand each of the following. Fully simplify each answer by combining any like terms. Answers are on the back

1. $(2a + 3)^2$

10. $(7a - 5)^2$

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

11. $(a - 7)^2$

3. $(7a + 5)^2$

12. $(5a - 7)^2$

4. $(a + 7)^2$

13. $(3a - 9)^2$

5. $(5a + 7)^2$

14. $(8a - 3)^2$

6. $(3a + 9)^2$

15. $(a + b)(a - b)$

7. $(8a + 3)^2$

16. $(2a + 3)(2a - 3)$

8. $(2a - 3)^2$

17. $(5a + 7)(5a - 7)$

9. $(5a - 2)^2$

18. $(6a + 5)(6a - 5)$

(1) $4a^2 + 12a + 9$

(2) $25a^2 + 20a + 4$

(3) $49a^2 + 70a + 25$

(4) $a^2 + 14a + 49$

(5) $25a^2 + 70a + 49$

(6) $9a^2 + 54a + 81$

(7) $64a^2 + 48a + 9$

(8) $4a^2 - 12a + 9$

(9) $25a^2 - 20a + 4$

(10) $49a^2 - 70a + 25$

(11) $a^2 - 14a + 49$

(12) $25a^2 - 70a + 49$

(13) $9a^2 - 54a + 81$

(14) $64a^2 - 48a + 9$

(15) $a^2 - b^2$

(16) $4a^2 - 9$

(17) $25a^2 - 49$

(18) $36a^2 - 25$