

Chapter 9 Practice Test 1

Simplify each expression and put your final answer in the blank to the left of the question.

1. $n^2 + 14n + 40$

2. $n^2 - 2n - 15$

3. $n^2 - 5n + 4$

4. $n^2 + 10n + 25$

5. $4n^2 + 14n + 6$

6. $10n^2 + 11n - 6$

7. $9n^2 - 6n + 1$

8. $3\sqrt{2}$

9. $2a^2\sqrt{3a}$

10. $a^3b\sqrt{b}$

11. $2a\sqrt[3]{2a^2}$

12. $a^2b\sqrt[3]{9b}$

13. $10\sqrt{6}$

14. $a^2b\sqrt[4]{ab^2}$

15. $2x^2(3x + 5)$

16. $a^4b^3(a + 1)$

17. $6y^2(2 + 3y^2)$

18. $5x^2y(4x + 5y^4)$

19. $4(2x^2 + 3x + 5)$

20. $a^2bcd^2(a^2cd - b^2)$