CHAPTER 3 PRACTICE TEST

Identify the terms, coefficients, and constants of the expression.

|  |  |
| --- | --- |
| 1. | 2. + 4x +10 |

Write the expression using exponents.

|  |  |
| --- | --- |
| 3. | 4. 3 d |

Evaluate the expression when c = 6, d = 8, and e = 16.

|  |  |  |
| --- | --- | --- |
| 5. | 6. | 7 |

Write the phrase as an expression.

|  |  |
| --- | --- |
| 8. the sum of 25 and 14 | 9. a number y divided by 7 |
| 10. a number x multiplied by 3 | 11. 4 less than a number w |

Tell which property the statement illustrates.

|  |  |
| --- | --- |
| 12. | 13. 0 + z = z |
| 14. 3(x – 3) = 3x – 9 | 15. (c + 1.4) + 0.5 = c + (1.4 + 0.5) |

Use the Distributive Property to simplify the expression.

|  |  |
| --- | --- |
| 16. 4(c – 12) | 17. 8(x + 7) |

Simplify the expression.

|  |  |
| --- | --- |
| 18. 2(5x + 7 – 9e) | 19. 10(w + 2) – 7 |
| 20. 3.4n + 9.6 – 2.1n | 21. 5(k + 4) – 2k |

|  |
| --- |
| 22. The expression 5x + 8y represents the hours a server at a restaurant works hours on x weekdays and y weekend days. Use the expression to find the number of hours the server works on 5 weekdays and 2 weekend days. Put your answer in a sentence. |

Simplify the expression.

|  |  |  |  |
| --- | --- | --- | --- |
| 23. 7(6 + 5w – 2) | | 24. 12 r + 8 + 4r – 3 | |
| 26. 4.3 +(7.5 + e) | 27. | | 28. 7(12w) |