CHAPTER 3 REVIEW

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

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| 1. $ 5r+9+8h$ | 2. $ a^{2}$ + 7b |

Write the expression using exponents.

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| 3. $r∙r∙r∙r∙r∙r$ | 4. 4 $∙$ d$ ∙d∙d$  |

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

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| 5. $ 4d-3$ | 6. $\frac{d + e}{c}$ | 7$. \frac{ d^{2}+ 4c}{4}$ |

Write the phrase as an expression.

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| 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 |

Use the Distributive Property to simplify the expression.

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| 12. 2(9c – 10) | 13. 8(m + 15) |

Simplify the expression.

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| 14. 3(12 + 2d – 7) | 15. 10(w + 2) – 7  |
| 16. 7n + n + 10 – 2n + 8  | 17. 5(k + 4) – 2k |

Factor the expression using the GCF

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| 18. 4w + 20 | 19. 25d – 30  | 20. 12y – 8  | 21. 9b + 45 |

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| 22. The expression 9a + 6s is the cost for *a* adults and *s* students to see a musical performance. Fine the total cost for three adults and five students. |