

**Chapter 3 Test Review
Slate Review Problems**

Evaluate the Expression

1. $\frac{78}{x} - 3y$ $x = 6, y = 2$
2. $5s + 4t - 3u$, $s = 3, t = 4, u = 6$

Write as an algebraic expression

3. Six times a number, increased by 9
4. The quotient of a number and 213
5. Mr. Haver was driving on the freeway at 65 miles per hour and he drove his truck for h hours. Write an expression for how far he traveled in h hours. Then evaluate the expression when $h = 3$.

Write an example of each property.

6. Addition Property of Zero
7. Associative Property of Multiplication
8. Distributive Property
9. Commutative Property of Addition
10. Multiplication Property of One

Identify the like terms.

11. $6a, b, a, 17, 4b, 32, 17a$
12. $8m^2, 8m, 12m, m, 8, 18,$
13. $d, d^2, 15d^2, 2d, 4, 5d$

Simplify each expression.

14. $6p + 3p$
15. $9x - 6x$
16. $2a + b - a + 5b$
17. $7h + 3 - 2h + 14$
18. $6(m + 7) + 8m$
19. $5(4k + 6) + 8(7k + 4)$
20. $(12m + 4)3 + 6m$
21. $9(q + 4) - 19 + 2q$

Factor each expression.

22. $36x - 28$
23. $92y + 48z$