1-3 Skills Practice

Variables and Expressions

ALGEBRA Evaluate each expression if $x = 4$, $y = 6$, and $z = 3$.

1. $x + y + z$

2. $3x + y$

3. $x - z$

4. $x + y - 3z$

5. $15z$

6. $3(x + z)$

7. $xz \div y$

8. $yz - x$

ALGEBRA Evaluate each expression if $a = 7$, $b = 9$, $c = 2$, and $d = 5$.

9. $a + b + c$

10. $a + b - (c + d)$

11. $3a + 4d$

12. bcd

13. $(a + b) \cdot (c + d)$

14. $c(4 + d)$

15. $\dfrac{b}{a + c}$

16. $a + b - 3c$

17. $ab - cd$

18. $\dfrac{bc}{a - d}$

ALGEBRA Translate each phrase into an algebraic expression.

19. two inches shorter than Kathryn's height

20. the quotient of some number and thirteen

21. some number added to seventeen

22. six centimeters shorter than the length of the pencil

23. three pounds lighter than Adlai's weight

24. the difference of some number and eighteen

25. three dollars more than the cost of a ticket

26. eight more than the product of a number and four

27. half as many pieces of candy

28. twice as long as the length of the string

Glencoe Pre-Algebra