

## WRITING ALGEBRAIC EXPRESSIONS

A. Write an algebraic expression for each of the following statements.

1. a number added to 10
2. a number subtracted from 18
3. thirty-six subtracted from a number
4. ten added to a number
5. a number divided by 11
6. thirty divided by a number
7. a number squared
8. five added to the cube of a number
9. a number minus the cube of 4
10. sixteen subtracted from a number cubed
11. six less than double a number
12. eighteen more than the square root of a number
13. the square of the sum of a number and 5
14. two times a number and its cube
15. the sum of a number and its square

B. Solve each number problem.

16. A number added to 10 is 90.
17. A number subtracted from 8 is 2.
18. A number divided by 13 is 13.
19. The square of a number is equal to the number.
20. A number added to itself is 36.
21. Thirty decreased by three times a number is 21.
22. A number added to its square is 30.
23. A number subtracted from its cube is 24.
24. A number is equal to one half itself.
25. Ten decreased by double a number is 2.