

Unit 1 Worksheet 5: Converting Between Algebraic and Verbal Expressions

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Write each as an algebraic expression.

1) the difference of 16 and a number

2) 7 less than r 3) c cubed

4) the sum of 6 and 10

5) n squared

6) a number decreased by 5

7) 10 less than n 8) the sum of x and 8

9) 11 decreased by 4

10) half of 14

11) the product of 8 and 9

12) 3 less than m

13) 30 decreased by 6

14) the difference of z and 5**Write each as a verbal expression.**15) n^2 16) $11 - c$ 17) $9 + 8$ 18) $\frac{22}{2}$

19) $c - 12$

20) $a \cdot 7$

21) $25 - 12$

22) $2x$

23) 3^2

24) 5^3

Evaluate each expression.

25) $(4 + 12) \div 4 - 3$

26) $2(4 - 2 + 3)$

27) $1 + (3 + 5) \times 4$

28) $1 + 2 - 6 \div 3$

29) $6 + 12 \div (5 - 1 - 1)$

30) $2 + 4 \cdot 6 - (2 + 4)$

31) $(5 \cdot 2) \div (6 + 1 - 5)$

32) $1 + (10 + 2) \div (5 - 2)$

33) $5 \div (2 - -3) \cdot -5 \cdot 5$

34) $4 - -5 - 18 \div (1 - 4)$

35) $2 \cdot -1 + 5 \cdot -6 - 3$

36) $5 \div ((4 - 5 + 2) \cdot 5)$