

Algebra 1.1

Write verbal expressions for algebraic expressions

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algebraic expression

variable

term

factor

product

power

exponent base

quantity
sum
↓
 $2(a+b)$
 $2a+b$

$$5(a-b)$$
$$5a-b$$

EXAMPLE 1 Write Verbal Expressions

Write a verbal expression for each algebraic expression.

a. $3x^4$

b. $5z^2 + 16$

Check Your Progress

1A. $16u^2 - 3$

1B. $\frac{1}{2}a + \frac{6b}{7}$

Whiteboards

Key Concept

For Your
FOLDABLE

Translating Verbal to Algebraic Expressions

Operation	Verbal Phrases
Addition	more than, sum, plus, increased by, added to
Subtraction	less than, subtracted from, difference, decreased by, minus
Multiplication	product of, multiplied by, times, of
Division	quotient of, divided by

EXAMPLE 2 Write Algebraic Expressions

Write an algebraic expression for each verbal expression.

- a. a number t more than 6

—

$$\begin{aligned} & (6) + (t) \\ & t + 6 \end{aligned}$$

Check Your Progress

2A. the product of p and 6

2B. one third of the area a

Write a verbal expression for each algebraic expression.

1. $2m$

2. $\frac{2}{3}r^4$

3. $a^2 - 18b$

Write an algebraic expression for each verbal expression.

4. the sum of a number and 14

5. 6 less a number t

6. 7 more than 11 times a number

7. 1 minus the quotient of r and 7

8. two fifths of a number j squared

9. n cubed increased by 5