

Chapter 1 Practice Test

Write each as an algebraic expression.

1) 20 decreased by 9

- A) $9 - 20 < 50$ B) $20 - 9$
 C) $9 + 20$ D) $9 - 20$

2) 3 cubed

- A) 3^3 B) $\frac{3}{2}$
 C) $\frac{3}{2} > 47$ D) $3 + 3$

Write each as a verbal expression.

3) x^3

- A) x cubed B) 3 cubed
 C) 3 minus x D) half of x

4) $n - 13$

- A) the quotient of 13 and a number
 B) the difference of a number and 13
 C) the difference of 13 and a number
 D) half of a number

Evaluate each expression.

5) $((3)(2)) \div 6 + 4$

- A) 6 B) 8
 C) 4 D) 5

6) $4 + (2^2)(6)$

- A) 28 B) 29
 C) 34 D) 22

Evaluate each using the values given.

7) $k + j + j - 1$; use $j = 3$, and $k = 2$

- A) 7 B) 6
 C) 13 D) 10

8) $m^2 - (p - 1)$; use $m = 5$, and $p = 4$

- A) 28 B) 21
 C) 24 D) 22

Evaluate each expression.

9) $((3)(2)) \div ((3 + 1)(2) - 5)$

- A) 0 B) 6
 C) 1 D) 2

10) $(1 + 2 + 7 - 2 + 4) \div 2$

- A) 7 B) 9
 C) 4 D) 6

Simplify each expression.

11) $7r + 4r$

- A) $11r$ B) $8r$
C) $r + 9$ D) $7 - 8r$

12) $10n + 4n$

- A) $15 - 4n$ B) $15 - 12n$
C) $14n$ D) $15 - 2n$

13) $4(7 - 8n)$

- A) $-50 - 40n$ B) $-40 - 40n$
C) $-35n + 45$ D) $28 - 32n$

14) $4(v + 4) - 5$

- A) 4 B) $-3 + 4v$
C) $10 - 22v$ D) $4v + 11$

15) $-3(1 + 4x) - 3(1 + 5x)$

- A) $-6 - 27x$ B) $-6 - 22x$
C) $-8 - 22x$ D) $-21x + 2$

Evaluate each expression.

16) $(-1) - \left(-3\frac{1}{4}\right) - \left(-\frac{5}{3}\right)$

- A) $\frac{29}{12}$ B) $\frac{65}{12}$
C) $-\frac{41}{60}$ D) $\frac{47}{12}$

17) Nine workers are hired to weed a field by hand. Each is given a plot which is 11×10 feet in size. What is the total area of the field?

- A) 1139 B) 990
C) 1014 D) 8910

18) Willie is cooking a cake. The recipe calls for 5 cups of flour. He has already put in 3 cups. How many more cups does he need to put in?

- A) 7 B) 4 C) 9 D) 2

Answers to Chapter 1 Practice Test

1) B
5) D
9) D
13) D
17) B

2) A
6) A
10) D
14) D
18) D

3) A
7) A
11) A
15) A

4) B
8) D
12) C
16) D