

## Algebra Unit 1 Practice Quiz

Date \_\_\_\_\_ Period \_\_\_\_\_

**Write each as an algebraic expression.**

1) 23 decreased by 9

2) the difference of 14 and n

3) the product of n and 5 is 17

4) the quotient of v and 4 is equal to 18

**Evaluate each expression.**

5)  $6 \times 10 \div (5 - 3)$

6)  $1 + 1 + 10 \div 2$

**Evaluate each using the values given.**

7)  $(3 + x)(z + z)$ ; use  $x = 2$ , and  $z = 5$

8)  $(b + 4)(b - a)$ ; use  $a = 1$ , and  $b = 5$

**Place the following numbers in order from least to greatest.**

9)  $\left(\sqrt{24}, \frac{13}{3}, \frac{11}{2}, 4.5, \sqrt{16}\right)$

**Name the property demonstrated by each example.**

10)  $(-2 \cdot 3) \cdot 4 = -2 \cdot (3 \cdot 4)$

11)  $7 + 0 = 7$

12)  $5 \cdot 0 = 0$

13)  $(2 \cdot 3) \cdot 5 = 5 \cdot (2 \cdot 3)$

**Evaluate each expression.**

14)  $(-2) - 1$

15)  $(-7) - 2$

16)  $2 + 2 + (-7)$

17)  $\left(-\frac{1}{2}\right) - \left(-\frac{2}{3}\right)$

**Find each product.**

18)  $-8 \cdot 2$

19)  $8 \cdot -2$

20)  $-3 \cdot -2 \cdot 2$

21)  $-2\frac{4}{7} \cdot \frac{11}{6}$

## Answers to Algebra Unit 1 Practice Quiz (ID: 1)

1)  $23 - 9$

9)

17)  $\frac{1}{6}$

3)  $n \cdot 5 = 17$

11)

19)  $-16$

5)  $30$

13)

21)  $-\frac{33}{7}$

7)  $50$

15)  $-9$