

## Unit 1 Review

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

**Evaluate each expression.**

1)  $(-1) - 7$

2)  $(-7) - (-3)$

3)  $(-2) - (-7) - (-6)$

4)  $5 - (-7) + (-5)$

5)  $(-3) + (-7) - (-3) + (-8)$

6)  $(-1) - (-3) + 7 - (-4)$

**Find each product.**

7)  $(8)(-1)$

8)  $-3 \cdot -8$

9)  $5 \cdot -4 \cdot -1$

10)  $2 \cdot 3 \cdot -1$

11)  $4 \cdot -1 \cdot -2 \cdot 3$

12)  $-2 \cdot -1 \cdot 2 \cdot -3$

**Find each quotient.**

13)  $\frac{-18}{-9}$

14)  $\frac{-12}{6}$

**Evaluate each expression.**

15)  $3 + 12 \div (2 \cdot 3)$

16)  $9 \div (4 - 1) \cdot 5$

17)  $(2 + 4)^2$

18)  $4 + 5 \times 4$

19)  $9 \div (4 \cdot 2 - 5)$

20)  $\frac{18 - (2 + 2^2)}{2 + 4}$

21)  $m - n^2$ ; use  $m = 5$ , and  $n = 1$

22)  $p \div 2 + n$ ; use  $n = 3$ , and  $p = 2$

**Write an algebraic expression for each word phrase.**

23) 3 more than a number  
(use  $n$  for "a number")

24) the quotient of 6 and a number

25) 8 less than the product of a number and 4

26) twice the sum of a number and 8

**Simplify each expression by combining like terms.**

27)  $b + 2 + 1 - 3b$

28)  $-2x + x$

29)  $1 - 3x - 4$

30)  $n + 2 + 3n + 4$

**Simplify using the distributive property.**

31)  $5(x + 5)$

32)  $-4(x - 6)$

33)  $-7(-5 - 6x)$

34)  $-2(5b - 3)$

## Unit 1 Review

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

**Evaluate each expression.**

1)  $(-1) - 7$

**-8**

2)  $(-7) - (-3)$

**-4**

3)  $(-2) - (-7) - (-6)$

**11**

4)  $5 - (-7) + (-5)$

**7**

5)  $(-3) + (-7) - (-3) + (-8)$

**-15**

6)  $(-1) - (-3) + 7 - (-4)$

**13****Find each product.**

7)  $(8)(-1)$

**-8**

8)  $-3 \cdot -8$

**24**

9)  $5 \cdot -4 \cdot -1$

**20**

10)  $2 \cdot 3 \cdot -1$

**-6**

11)  $4 \cdot -1 \cdot -2 \cdot 3$

**24**

12)  $-2 \cdot -1 \cdot 2 \cdot -3$

**-12****Find each quotient.**

13)  $\frac{-18}{-9}$

**2**

14)  $\frac{-12}{6}$

**-2****Evaluate each expression.**

15)  $3 + 12 \div (2 \cdot 3)$

**5**

16)  $9 \div (4 - 1) \cdot 5$

**15**

17)  $(2 + 4)^2$

**36**

18)  $4 + 5 \times 4$

**24**

19)  $9 \div (4 \cdot 2 - 5)$

3

20)  $\frac{18 - (2 + 2^2)}{2 + 4}$

2

21)  $m - n^2$ ; use  $m = 5$ , and  $n = 1$

4

22)  $p \div 2 + n$ ; use  $n = 3$ , and  $p = 2$

4

**Write an algebraic expression for each word phrase.**

23) 3 more than a number  
(use  $n$  for "a number")

 $n+3$ 

24) the quotient of 6 and a number

 $\frac{6}{n}$ 

25) 8 less than the product of a number and 4

 $4x - 8$ 

26) twice the sum of a number and 8

 $2(p + 8)$ **Simplify each expression by combining like terms.**

27)  $b + 2 + 1 - 3b$

 $-2b + 3$ 

28)  $-2x + x$

 $-x$ 

29)  $1 - 3x - 4$

 $-3 - 3x$ 

30)  $n + 2 + 3n + 4$

 $4n + 6$ **Simplify using the distributive property.**

31)  $5(x + 5)$

 $5x + 25$ 

32)  $-4(x - 6)$

 $-4x + 24$ 

33)  $-7(-5 - 6x)$

 $35 + 42x$ 

34)  $-2(5b - 3)$

 $-10b + 6$