

## Sections 1 &amp; 2 - Extra Practice

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

**Write each as an algebraic expression.**

1) twice 5

2) the quotient of 21 and a

3) 11 increased by 7

4) twice 10

5) z squared

6) 14 decreased by d

7) n cubed is equal to 19

8) a number decreased by 22 is equal to 20

9) the quotient of a number and 8 is equal to 32

10) a number squared is equal to 13

11) m decreased by 24 is equal to 28

12) 11 more than a number is equal to 50

**Evaluate each expression.**

13)  $(8 - 2) \cdot 5 - 8$

14)  $(30 - 6) \div (10 - 6)$

15)  $8 + 9 + 27 \div 9$

16)  $10 - (5 + 18 \div 6)$

17)  $\frac{3 \cdot 2}{10 - (4 + 3)}$

18)  $7(10 - 8) + 10 + 8$

19)  $\frac{20}{7 + 3} + 3 \cdot 10$

20)  $\frac{21 - 3}{9 - (10 - 7)}$

**Evaluate each using the values given.**

21)  $y - (2 + x - y)$ ; use  $x = 9$ , and  $y = 6$

22)  $z - \left(y - \frac{3}{3}\right)$ ; use  $y = 1$ , and  $z = 8$

23)  $n - m + n - 3$ ; use  $m = 7$ , and  $n = 8$

24)  $p \cdot \frac{3m}{3}$ ; use  $m = 9$ , and  $p = 8$

## Answers to Sections 1 & 2 - Extra Practice (ID: 1)

1)  $2 \cdot 5$

3)  $11 + 7$

5)  $z^2$

7)  $n^3 = 19$

9)  $\frac{n}{8} = 32$

11)  $m - 24 = 28$

13) 22

15) 20

17) 2

19) 32

21) 1

23) 6