

**QUOTABLE PUZZLES—Lesson 5**

**Equations and Inequalities  
A.4df**

**Directions:** Solve the following problems. Match that answer to the correct letter of the alphabet. Enter that letter of the alphabet on the blank corresponding to the problem number.

4   8   9   6   2   9   9   5   1   3   2   9   12   14

7   9   6   13   6   3   11   10   2   6   8   8   14

<b>A</b>	<b>B</b>	<b>C</b>	<b>D</b>	<b>E</b>	<b>F</b>	<b>G</b>	<b>H</b>	<b>I</b>	<b>J</b>	<b>K</b>	<b>L</b>	<b>M</b>
172	6	2	63	8	-2	15	-21	-2	12	19.6	-12	26

<b>N</b>	<b>O</b>	<b>P</b>	<b>Q</b>	<b>R</b>	<b>S</b>	<b>T</b>	<b>U</b>	<b>V</b>	<b>W</b>	<b>X</b>	<b>Y</b>	<b>Z</b>
20	3/7	316	9	21	0	-4	938	55	39	-72	29	-33

**Simplify each expression:**

1.  $3 + 8 \div 2 - 5$

2.  $4(11 + 7) - 9 \cdot 8$

3.  $7(5^3 + 3^2)$

4.  $5^3 + 6^3 - 5^2$

5.  $-5(9 + 3) - 3 \cdot 4$

6.  $(5 - 1)^3 + (11 - 2)^2 + (7 - 4)^3$

7.  $(4 + 5)7$

**Solve each equation:**

8.  $x + 6 = -6$

9.  $2x - 3 = 13$

10.  $-3x = 12$

11.  $-20x + 4 = -396$

12.  $-6 + y = 20$

13.  $\frac{x}{7} = 3$

14.  $\frac{x + 13}{2} = 21$

