Name: _____ Block: _____ Date: _____

MATH 9 - CHAPTER 8 - PRETEST

signature

Multiple Choice

Circle the choice that best completes the statement or answers the question.

1. Solve $0.8p = 3.6$.
   a. $p = 0.22$
   b. $p = 0.45$
   c. $p = 2.88$
   d. $p = 4.5$

2. What is the value of m if $\frac{3m}{5} = 3.5$?
   a. $m = 2.1$
   b. $m = 5.83$
   c. $m = 7.75$
   d. $m = 9.5$

3. Solve $\frac{10.85}{a} = 3.5$.
   a. $a = 0.31$
   b. $a = 0.323$
   c. $a = 3.1$
   d. $a = 37.975$

4. What is the value of q if $2.7q - 5 = 6.07$?
   a. $q = 0.396$
   b. $q = 2.862$
   c. $q = 4.100$
   d. $q = 11.240$

5. Solve $6.4 + \frac{7d}{2.5} = 14.88$.
   a. $d = 2.8$
   b. $d = 3.0$
   c. $d = 9.2$
   d. $d = 21.28$

6. Solve the following: $3(2x + 3) = 12$.
   a. $x = 0.5$
   b. $x = 1.5$
   c. $x = 2.0$
   d. $x = 3.5$

Show your work for question 7-11. You will recieve a maximum of 2 marks for each question if you show correct work and circle the correct answer.

7. Solve $4x = 3 + 2x$.
   a. $x = 1.5$
   b. $x = 2$
   c. $x = 3$
   d. $x = 6$

8. Solve $2.3t = 5t - 9.99$.
   a. $t = -1.37$
   b. $t = 1.37$
   c. $t = 3.7$
   d. $t = 4.34$

9. What is $5.1d + 2.7 = 3.9d - 2.7$?
   a. $d = 0$
   b. $d = 0.675$
   c. $d = 2.25$
   d. $d = 4.5$

10. Brenda got a mark of 18 on her test. This mark was equal to 72%. How many marks was the test worth?
    a. 24
    b. 25
    c. 30
    d. 100

11. Marc had 5 coupons for $2.50 off the regular admission price of a movie. He bought tickets for himself and 4 friends. He paid $42.25. The regular price for each ticket was
    a. $8.45
    b. $10.69
    c. $10.95
    d. $12.50

Short Answer

12. Frank used the following calculations to solve $3(2g + 2.5) = 15.9$. He has made an error. Circle the first place he made the error and find the correct answer.

    $3(2g + 2.5) = 15.9$

    $6g + 7.5 = 15.9$

    $6g = 23.4$

    $g = 3.9$

Problem

13. A local tour company is offering a **weekend** travel package special at 30% off the regular price. This is a savings of $87.45. What is the regular **price** of the package?

    Write an equation>>> use the variable **p** for **price**

    Solve the equation >>>>

14. Winnipeg had 161 days of precipitation. That is 1.4 **times** the number of days that Calgary had precipitation. How many days did Calgary have precipitation?

    Write an equation>> use the variable **d** for **days**

    Solve the equation>>