

Name: _____

Date: _____

Marking Period 1 – Practice Test

1. Please determine the LCM of the 6, 9 & 12.
2. Please determine the GCF of 48 & 72.
3. Please do a prime factorization of 90.
4. Please list the factor pairs of the following 180.

5. Please simplify the following

a. $\frac{7}{4} + \frac{11}{4}$

b. $4\frac{1}{3} + 6\frac{1}{5}$

c. $\frac{11}{4} \times \frac{12}{55} \times \frac{25}{18}$

d. $7\frac{1}{5} \div 1\frac{3}{15}$

6. Please rewrite the following to eliminate the “sign sign” phenomenon simplify the following.

a. $-6 - (-9)$

b. $6 + (-12)$

c. $8 + (-3)$

d. $-7 - (-4)$

7. Please simplify the following.

a. $4 - 3(6)$

b. $12 \times (4 + 3)$

c. $7(4) - 4(-3)$

d. $8 - 2(5 - 2)^2$

8. Please simplify the following.

a. $2x + 4 + 9x$

b. $-3b - 5g - 2b + 2g$

c. $5(a + 4) - 3a$

9. Please evaluate the following expressions for the given values of the variable.

a. $2b - 9$ $b = -3$

b. $x - y$ $x = -4$ $y = -3$

10. Please simplify the following.

a. -3^2

b. $(-3)^2$

c. $-(-3)^2$

11. Please match the following

A. The opposite of five squared.

B. Negative five squared.

C. The opposite of negative five squared.

D. The opposite of the opposite of five squared.

_____ -5^2

_____ $-(-5)^2$

_____ $-(-5^2)$

_____ $(-5)^2$