Name: _____   Date:

Course: _____   Nyack College

College MATH

QUIZ #3

Directions: Provide complete responses to each question. Make sure to show your work.

1. FIND THE ADDITIVE INVERSE OF EACH NUMBER AND THE ABSOLUTE VALUE:

    a. -2

    b. 8

    c. -(-3)

2. PROVIDE A NUMBER THAT SATISFIES EACH CONDITION

a. AN INTEGER BETWEEN 6.5 AND 7.5

b. A WHOLE NUMBER THAT IS NOT POSITIVE AND IS LESS THAN 1

c. AN IRRATIONAL NUMBER THAT IS BETWEEN $\sqrt{13}$ AND $\sqrt{15}$

3. EVALUATE THE FOLLOWING EXPRESSIONS:

   a. $-6+(-7)$

b. $-12+(-12)$

c. $6-8$

d. $15-(-3)$

e. $-8\times(-3)$

f. $-12 \times (-(-3))$

g. $\dfrac{-15}{-5}$

h. $\dfrac{-55}{5}$

i. $\dfrac{-105}{-7}$

j. $\dfrac{-25(10-8)\div 5}{-5\times 2}$

k. $\dfrac{2}{15}+\dfrac{3}{10}$

l. $\dfrac{173}{180}+\dfrac{60}{1200}$