

# RATIONAL NUMBER

## HOMEWORK #3

1) Find Additive Inverse and Multiplicative Inverse of following numbers:

a)  $-\frac{3}{7}$    b)  $\frac{1}{3}$    c)  $\frac{7}{-9}$    d) 0

2) Is 0.75 the multiplicative inverse of  $\frac{4}{3}$ ?  
Explain your answer.

3) Arrange the rational numbers in ascending order:

$$\frac{10}{7}, \frac{1}{2}, \frac{7}{3}, \frac{21}{5}, \frac{13}{4}$$

and also represent them on number lines.

4) State TRUE or FALSE:

a) Numbers  $\frac{-1}{-4}$  and 4 lie on the opposite sides of zero on Number line.

b) If  $\frac{p}{q}$  is a rational number and  $p > q$ , then  $\frac{p}{q}$  will be always on the right side of 1 on the number line.

c)  $\frac{9}{6}$  lies between 1 and 2.

d) Negative of 0 does not exist.