

RATIONAL NUMBER [HOMEWORK #1]

1) Pick up the rational numbers from the following numbers:

$$-7, \frac{4}{3}, \frac{2}{0}, 0, \frac{-6}{7}, \frac{-8}{-3}, \frac{0}{-2}, \frac{-4}{0}, \frac{4}{-7}, 10$$

2) Write a rational number which is equal to $\frac{7}{6}$ in which

- Numerator is 49
- Numerator is 14
- Denominator is 42.

3) Simplify:

a) $\frac{4}{7} + \frac{6}{5}$

b) $\frac{8}{9} + \frac{14}{3} + \frac{7}{6}$

c) $\frac{10}{17} - \frac{5}{7}$

c) $\frac{5}{8} \times \frac{7}{6}$

d) $\frac{4}{13} \div \frac{2}{9}$

e) $\frac{7}{15} \div \frac{3}{5} \div \frac{3}{2}$

4) State True OR False:

- Every integer is a Rational Number.
- There are no natural numbers between -10 and 0.
- $\frac{4}{16}$ is a Rational Number, but not an integer.
- Division of two rational number will always be a rational number.