ATOIMC ENERGY EDUCATION SOCIETY , MUMBAI

WORK SHEET – 1 (15 marks)

CHOOSE THE CORRECT OPTION.

1. The standard form of $\frac{56}{-70}$ is (1 mark)

a) $\frac{-8}{10}$ b) $\frac{-4}{5}$ c) $\frac{4}{-5}$ d) $\frac{-5}{4}$

2. Which of the following pairs represent the same rational number? (1 mark)

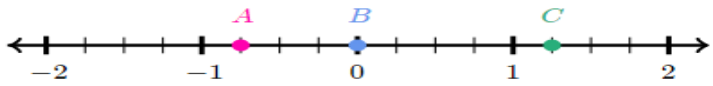
a) $\frac{-4}{7}$ and $\frac{8}{-14}$ b) $-3\frac{2}{3}$ and $\frac{-22}{-6}$ c) $\frac{-4}{7}$ and $\frac{-8}{-14}$ d) $\frac{-13}{14}$ and $\frac{14}{-13}$

3. Which of the following rational number is not equivalent to $\frac{4}{-9}$? (1 mark)

(a) $\frac{-8}{18}$ (b) $\frac{8}{-18}$ (c) $\frac{12}{-27}$ (d) $\frac{6}{-11}$

Answer the following.

5 . Write the rational numbers that represents the points A ,B and C on the given number line. (3 marks)



6. Reduce the following rational Numbers into standard form. (3 marks)

(i) $\frac{-250}{-375}$ (ii) $\frac{76}{-38}$ (iii) $\frac{-144}{360}$

7. Find the values of x, y and z .. (3 marks)

(i) $\frac{4}{-9} = \frac{44}{x} = \frac{y}{36} = \frac{-144}{z}$

8. Write two equivalent fractions for each of the following rational numbers . (3 marks)

(i) $\frac{16}{-18}$ (ii) $\frac{-72}{144}$ (iii) $\frac{6}{-5}$