

Ex. 9.1 - p1

1.i -1, 0

Five rational nos $-0.1, -0.2, -0.3, -0.4, -0.5$

or

$$\begin{aligned}
 -1 &= -\frac{1}{1} & , & & 0 &= \frac{0}{1} \\
 &= -\frac{1 \times 10}{1 \times 10} & & & &= \frac{0 \times 10}{1 \times 10} \\
 &= -\frac{10}{10} & & & &= \frac{0}{10}
 \end{aligned}$$

required rational nos $-\frac{1}{10}, -\frac{2}{10}, -\frac{3}{10}, -\frac{4}{10}, -\frac{5}{10}$

1(ii)

-2, -1

required rational numbers

$-1.1, -1.2, -1.3, -1.4, -1.5$

1(iii)

$$-\frac{4}{5}, -\frac{2}{3}$$

LCM of 3 and 5 is 15

$$= \frac{-12}{15}, \frac{-10}{15}$$

$$= -\frac{12 \times 10}{15 \times 10}, -\frac{10 \times 10}{15 \times 10}$$

$$= -\frac{120}{150}, -\frac{100}{150}$$

required rational numbers

$$-\frac{101}{150}, -\frac{102}{150}, -\frac{103}{150}, -\frac{104}{150}, -\frac{105}{150}$$