

Ex. 9.1 - p5

6 (i) $-\frac{16}{20}, \frac{20}{-25}$

$$= -\frac{16}{20} \div \frac{4}{4}, \frac{20}{-25} \div \frac{-5}{-5}$$

$$= -\frac{4}{5}, -\frac{4}{5} \therefore \text{represent same rational no.}$$

(ii) $-\frac{2}{-3}, \frac{2}{3}$

$$= -\frac{2}{-3} \times \frac{-1}{-1}, \frac{2}{3}$$

$$= \frac{2}{3}, \frac{2}{3} \therefore \text{represent same rational no.}$$

(iii) $-\frac{3}{5}, -\frac{12}{20}$

$$= -\frac{12 \div 4}{20 \div 4}$$

$$= -\frac{3}{5} \therefore$$

(iv) $\frac{8}{-5}, -\frac{24}{15}$

$$= \frac{8 \times -1}{-5 \times -1}, -\frac{24 \div 3}{15 \div 3}$$

$$= -\frac{8}{5}, -\frac{8}{5} \therefore$$

(v) $\frac{1}{3}, -\frac{1}{9} \therefore$ one no. is -ve and other +ve
 \therefore they do not represent same rational number.