

**Rational Numbers: Worksheet -9**

- (i) The product of two positive rational numbers is always \_\_\_\_\_
- (ii) The product of a positive rational number and a negative rational number is always \_\_\_\_\_
- (iii) The product of two negative rational numbers is always \_\_\_\_\_
- (iv) The reciprocal of a positive rational number is \_\_\_\_\_
- (v) The reciprocal of a negative rational number is \_\_\_\_\_
- (vi) Zero has \_\_\_\_\_ reciprocal.
- (vii) The product of a rational number and its reciprocal is \_\_\_\_\_
- (viii) The numbers \_\_\_\_\_ and \_\_\_\_\_ are their own reciprocals.
- (ix) If  $a$  is reciprocal of  $b$ . Then the reciprocal of  $b$  is \_\_\_\_\_
- (x) The number '0' is \_\_\_\_\_ the reciprocal of any number.
- (xi) Reciprocal of  $\frac{1}{a}$ , ( $a \neq 0$ ) is \_\_\_\_\_
- (xii)  $(17 \times 12)^{-1} = 17^{-1} \times$  \_\_\_\_\_

