

Name \_\_\_\_\_

## Reciprocal and Inverse of exponents

Tick the correct answer in each of the following.

1) The value of  $(-3)^{-4}$  is

- (i) 12    (ii) 81    (iii)  $\frac{-1}{12}$     (iv)   $\frac{1}{81}$

2) The value of  $(-2)^{-5}$  is

- (i) -32    (ii)   $\frac{-1}{32}$     (iii) 32    (iv)  $\frac{1}{32}$

3) The value of  $(2^{-5} \div 2^{-2})$  is

- (i)  $\frac{1}{128}$     (ii)  $\frac{-1}{128}$     (iii)  $\frac{-1}{8}$     (iv)   $\frac{-1}{8}$

4) The value of  $(3^{-1} + 4^{-1})^{-1} \div 5^{-1}$  is

- (i)  $\frac{7}{10}$     (ii)   $\frac{60}{7}$     (iii)  $\frac{7}{5}$     (iv)  $\frac{7}{15}$

5) The value of  $(3^{-6} \div 3^4)$  is

- (i)  $3^{-2}$     (ii)  $3^2$     (iii)   $3^{-10}$     (iv)  $3^{10}$