

## Under 1 Method

## Reciprocal Method

$$\text{(a)} 3^{-2} = \frac{1}{3^2} = \frac{1}{9}$$

$$3^{-2} = \left(\frac{1}{3}\right)^2 = \frac{1}{9}$$

$$\text{(b)} 2^{-3} = \frac{1}{2^3} = \frac{1}{8}$$

$$2^{-3} = \left(\frac{1}{2}\right)^3 = \frac{1}{8}$$

$$\text{(c)} \left(\frac{2}{3}\right)^{-4} = \frac{1}{\left(\frac{2}{3}\right)^4} = \frac{1}{\left(\frac{16}{81}\right)} = \frac{81}{16}$$

$$\left(\frac{2}{3}\right)^{-4} = \left(\frac{3}{2}\right)^4 = \frac{81}{16}$$