

NEGATIVE and FRACTIONAL INDICES

1. Express the following as fractions :

(a) 2^{-1}

(b) 4^{-1}

(c) 10^{-1}

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2. Evaluate the following :

(a) 5^0

(b) 4^{-2}

(c) 2^{-3}

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3. Express as a **single power of 3** :

(a) 1

(b) $\frac{1}{9}$

(c) $\frac{1}{81}$

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4. Express in the form k^n , the following :

(a) $\frac{1}{k}$

(b) $\frac{1}{k^3}$

(c) $\frac{k}{k^4}$

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5. Express the following as a single power of x

(a) \sqrt{x}

(b) $\sqrt[3]{x}$

(c) $\frac{1}{\sqrt{x}}$

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