

**1) Indices:**

**a) The Laws of Indices:**

1)  $a^p \times a^q = a^{p+q}$  e.g.  $4^4 \times 4^3 = 4^7$

2)  $\frac{a^p}{a^q} = a^{p-q}$  e.g.  $\frac{5^3}{5^2} = 5^{3-2} = 5^1$

See Tables  
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3)  $(a^p)^q = a^{pq}$  e.g.  $(5^2)^3 = 5^6$