Mathematics Methods Units 1 and 2 Formula Sheet

Measurement
$$C=2\pi n$$
 Circumference of circle, radius $C=2\pi n$ Consider that $C=2\pi n$ Consider the solutions of circle, radius $C=2\pi n$ Consider that $C=2\pi n$ Consider $C=2\pi n$ Consider that $C=2\pi n$ Consider that $C=2\pi n$ Consider $C=2\pi n$ Co

 $3 \operatorname{niz} d n \frac{1}{\varsigma} = A$

Mathematics Methods Units 1 and 2 Formula Sheet

Index laws

For a, b > 0 and m, n real,

$$a^m a^n = a^{m+n}$$

$$\frac{a^m}{a^n} = a^{m-n}$$

$$(a^m)^n = a^{mn}$$

$$a^m b^m = (ab)^m$$

$$a^0 = 1$$

$$a^{-m} = \frac{1}{a^m}$$

For a > 0 and m an integer and n a positive integer,

$$a^{m/n} = \sqrt[n]{a^m} = \left(\sqrt[n]{a}\right)^m$$