Exponents

Properties of Nth Roots

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| --- | --- | --- |
| Case | Roots | Example |
| Odd Index | 1 real root | Real 3rd root of 8 is 2 |
| Even Index positive radicand | 2 real roots | Real 4th roots of 16 are +2 and -2 |
| Even Index; negative radicand | 0 real roots | -16 has no real 4th roots |
| Radicand of 0 | 1 root of 0 | 3rd root of 0 is 0 |

11.1803398874989