

Word **1.1** **2.1** **1.1** **?** - **1.1**

1 2 3 —

What is the value of 1^i ? - Mathematics Stack Exchange

The formal moral of that example is that the value of 1^i depends on the branch of the complex logarithm that you use to compute the power. You may already know that $1 = e^{0+2k\pi i} = e^{0 + 2k\pi i}$ for every integer k , so there are many possible choices for $\log(1)$.