

Logarithm Cheat Sheet

These values are accurate to within 1%:

$$e \approx 2.7$$

$$\ln(2) \approx 0.7$$

$$\ln(10) \approx 2.3$$

$$\log_{10}(2) \approx 0.3$$

$$\log_{10}(3) \approx 0.48$$

Some other useful quantities to with 1%:

$$\pi \approx \frac{22}{7}$$

$$\sqrt{10} \approx \pi$$

$$\sqrt{2} \approx 1.4$$

$$\sqrt{1/2} \approx 0.7$$

(ok so technically $\sqrt{2}$ is about 1.005% greater than 1.4 and 0.7 is about 1.005% less than $\sqrt{1/2}$)