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 \( \sqrt{1/2} \))