**Exercises**

1. Find the relative error in computation of \( x+y \) for \( x=13.64 \) and \( y=5.28 \) having absolute errors \( \Delta x=0.005 \) and \( \Delta y=0.002 \) respectively.

2. Find the relative error in computation of \( x-y \) for \( x=20.91 \) and \( y=9.27 \) having absolute errors \( \Delta x=0.003 \) and \( \Delta y=0.001 \) respectively.

3. Find the value of \( \sqrt{10} - \pi \) correct to five significant figures.

4. Solve the equation \( x^2+9.9x-1=0 \) by using two digit arithmetic with rounding.