1) Shape $B$ is an enlargement of shape $A$ with scale factor 3 . If the area of shape $A$ is $36 \mathrm{~cm}^{2}$, what is the area of shape $B$ ?
2) Work out $\left(3.2 \times 10^{9}\right) \div\left(4 \times 10^{4}\right)$, giving your answer in standard form
3) Solve using the quadratic formula (and a calculator) $1.2 x^{2}+3.4 x=0$
4) Evaluate $4^{-2}$ and $4^{-\frac{1}{2}}$
5) The value of $x$ is given as 400 rounded to $\mathbf{2}$ significant figures. State the upper and lower bounds
