

1) Shape B is an enlargement of shape A with scale factor 3. If the area of shape A is 36cm², what is the area of shape B?

2) Work out $(3.2 \times 10^9) \div (4 \times 10^4)$, giving your answer in standard form

3) Solve using the quadratic formula (and a calculator) $1.2x^2 + 3.4x = 0$

4) Evaluate 4^{-2} and $4^{-\frac{1}{2}}$

5) The value of x is given as 400 rounded to **2** significant figures. State the upper and lower bounds