Sample maths questions for Year 10 entry

1. Calculate $(5.3 \times 10^{-4}) \times (7 \times 10^{11})$ leaving your answer in standard form.

2. a) Explain why $\sqrt{18} \equiv 3\sqrt{2}$

   a) Simplify these surds:

           i. $\sqrt{54}$ ii. $\sqrt{12} + \sqrt{27}$