1. Squares and square roots

1. Evaluate without using tables or calculators

$$\sqrt[3]{\frac{0.125\times\sqrt{64}}{0.064\times\sqrt{629}}}$$

(4mks)

2. Evaluate using reciprocals, square and square root tables only.

$$\sqrt{\frac{\left(445.1\times10^{-1}\right)^2+1}{0.07245}}$$

(3mks)

3. Using a calculator, evaluate $\dfrac{\sqrt{(4.652\times0.387)^2}}{0.8462}$ (3mks)
(Show your working at each stage)

4. Use tables of reciprocals and square roots to evaluate

$$\sqrt{\frac{2}{o.5893}-\frac{1.06}{846.3}}$$

(3marks)

5. Use tables to find;
a) i) 4.978^2
ii) The reciprocal of 31.65
b) Hence evaluate to 4.S.F the value of
$4.978^2 - {}^1/_{31.65}$

6. Use tables of squares, square roots and reciprocals to evaluate correct to 4 s.f

$$\frac{3}{\sqrt{0.0136}} - \frac{2}{(3.72)2}$$

7. Without using mathematical tables or calculator, evaluate: $\sqrt{\dfrac{153 \times 1.8}{0.68 \times 0.32}}$ giving your answer in standard form