1. **Squares and square roots**

1. Evaluate without using tables or calculators

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

(4mks)

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

\[
\sqrt{\left(\frac{445.1 \times 10^{-1}}{0.07245}\right)^2 + 1}
\]

(3mks)

3. Using a calculator, evaluate

\[
\sqrt{(4.652 \times 0.387)^2}
\]

(3mks)

(Show your working at each stage)

4. Use tables of reciprocals and square roots to evaluate

\[
\sqrt{\frac{2}{0.5893} - \frac{1.06}{846.3}}
\]

(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
   \[4.978^2 - \frac{1}{31.65}\]

(3marks)

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

\[
\frac{3}{\sqrt{0.0136}} - \frac{2}{(3.72)^2}
\]

(3 marks)

7. Without using mathematical tables or calculator, evaluate:

\[
\sqrt{153 \times 1.8}
\]

giving your answer in standard form

\[0.68 \times 10^{-2}\]

(3 marks)