

## Logarithms

1) Evaluate  $\log_{10} 6 + \log_{10} 45 - \log_{10} 27$

2) Simplify  $\frac{\log \sqrt{8}}{\log 8}$

3) Simplify  $\frac{\log 27^{\frac{1}{3}}}{\log 18}$

4) Evaluate  $2\log_3 6 + \log_3 16$

5) Evaluate  $\log_{10} 4 + \log_{10} 25$

