Logarithms

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

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

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

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

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

1) Evaluate \( \log_{10} 6 + \log_{10} 45 - \log_{10} 27 \)
   \[= 1\]

2) Simplify \( \frac{\log \sqrt{8}}{\log 8} \)
   \[= \frac{1}{2}\]

3) Simplify \( \frac{\log 27}{\log 18} \)
   \[= \frac{1}{4}\]

4) Evaluate \( 2\log_3 6 + \log_3 16 \)
   \[= 3\]

5) Evaluate \( \log_{10} 4 + \log_{10} 25 \)
   \[= 2\]