11. 
$$\log_6 12 + \log_6 3 = \log_6 36 = \log_6 6^2 = 2$$
  
12.  $e^{4.5} = 5 \left(0^6 3^6 = 8\right)$ 

13. 
$$\frac{\log_2 225}{\log_2 15} = \frac{\log_2 225}{\log_2 15} = \frac{\log_3 225}{\log_2 15} = 2$$

14. 
$$log_4 32 + log_{0,1} 10 = log_2 2^5 + log_{10} + 10 = \frac{5}{2} - 1 = 1\frac{1}{2}$$