Change of Base Rule in Logarithms

A) Find the value of each logarithm using a calculator. Round your answer to two decimal places.

1) $\log_5 6$ = _____

2) $\log_7 2$ = _____

3) $\log_4 3$ = _____

4) $\log_6 7$ = _____

5) $\log_2 0.5$ = _____

6) $\log_8 11$ = _____

B) Find the value of each logarithmic expression using a calculator. Round your answer to two decimal places.

1) $\dfrac{\log_3 4}{\log_7 5}$

2) $\log_9 8 - \log_2 9$

3) $\log_5 14 + \log_6 3$

4) $\log_3 2 \cdot \log_4 19$

5) $\log_8 9 \cdot \log_2 4$

6) $\log_5 3 + \log_3 10$