You may have correctly used the quotient rule to get

 $\log_4\!\left(\frac{64x}{16y}\right) = \log_4\!64x - \log_4\!16y, \text{ and then used the product rule. But you probably forgot to distribute the minus sign when rewriting <math>\log_4\!16y$  as  $\log_4\!16 + \log_4\!y$ .