Question 1 **(5 marks)**

(a)   Given that $\log_8 x = 2$ and $\log_2 y = 5$, evaluate $x - y$.   (2 marks)

(b)   Express y in terms of x given that $\log_2 (x + y) + 2 = \log_2 (x - 2y)$.   (3 marks)