Correct. $(a + b)^2 = a^2 + 2ab + b^2$. In this case, $a = 8x$ and $b = 6$, so $(8x + 6)^2 = (8x)^2 + 2(8x)(6) + 6^2 = 64x^2 + 96x + 36$. The missing term is $96x$.