You may have reversed the order of the functions when subtracting.

$(f-h)(x) = f(x)-h(x) = 8x^3-7x+1-\left(-6x^2+9x+4\right)$

$= 8x^3 - 7x + 1 + 6x^2 - 9x - 4 = 8x^3 + 6x^2 - 7x - 9x + 1 - 4$

$= 8x^3 + 6x^2 - 16x - 3$