


$$(3 + 7x)(6 + 2x)$$

$$18 + 6x + 42x + 14x^2$$

Now as you can see the results from the multiplying of the two inners and the two outers are like terms. Our last step is to combine these like terms. We see that $6x + 42x = 48x$, thus

$$18 + 48x + 14x^2$$