

You may have mistakenly combined the unlike terms  $6x^4$  and  $-6x^3$ . Group the like terms together:  $(-x^5 + 2x^5) + 6x^4 - 6x^3 + (1 - 1)$ . Then simplify. The correct answer is  $x^5 + 6x^4 - 6x^3$ .