

$$* (a^4 - 2ab + b^2) - (-5a^4 + 2a^2 + 3ab + 3b^2 - 4)$$

$$\underline{a^4} - \underline{2ab} + b^2 + \underline{5a^4} - 2a^2 - \underline{3ab} - 3b^2 + 4$$

$$6a^4 - 5ab - 2b^2 - 2a^2 + 4$$