

Correct. Multiply each term in the first polynomial with each term in the second polynomial and then combine the like terms.

$$\begin{aligned} & 2n(5n^2) + 2n(3n) + 2n(-4) + 5(5n^2) + 5(3n) + 5(-4) \\ & = 10n^3 + 6n^2 - 8n + 25n^2 + 15n - 20 = 10n^3 + 31n^2 + 7n - 20 \end{aligned}$$