

Given the expression below.

$$3x^2(2x^3 - 5x^2 + 4)$$

a. Simplify it fully

$$\begin{aligned} & 3x^2(2x^3 - 5x^2 + 4) \\ &= 6x^5 - 15x^4 + 12x^2 \end{aligned}$$

b. Describe 3 errors that someone could make (give 3 WRONG answers)

$$\begin{aligned} &= -13x^9 \\ &= -13x^7 \end{aligned}$$

added and subtracted unlike terms!

$$= 6x^5 - 15x^4 + 7x^2$$

$$= 21x^3$$

$$= 6x^5 - 5x^2 + 4$$

only multiplied by the first term in the brackets