

**Answer on Question #38524 – Math-Abstract Algebra**

Suppose that  $a$ ,  $a_5$ ,  $a_3$ ,  $a_4$  are real numbers. Open brackets, use properties for addition and subtraction of real numbers:

$$(12a_5 - 6a - 10a_3) - (10a - 2a_5 - 14a_4) = (12 - (-2))a_5 + (-6 - 10)a - 10a_3 - (-14a_4) = 14a_5 - 16a - 10a_3 + 14a_4$$