

Complete the calculation to find the product:

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

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