Example Question

$5x^3 + 7x^2 + 3x + 6$

$5(3x^2) \ 7(2x) + 3x + 6$

$15x^2 + 14x + 3x + 6$

$15x(x) + 14x + 3x + 6$

$x + 15x + 14x + 3x + 6$

$x + 15x + 17x + 6$

$16x + 17x + 6$

$33x + 6.$