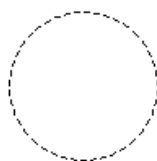


5-11 Multiplying Polynomials

Multiply



$$(x + 1)(x^2 + x + 1)$$

$$\begin{array}{r} x^3 + x^2 + 1x \\ + 1x^2 + 1x + 1 \\ \hline \end{array}$$

$$x^3 + 2x^2 + 2x + 1$$

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

$$\begin{array}{r} 2x^3 + 8x^2 + 10x \\ + 3x^2 + 12x + 15 \\ \hline 2x^3 + 11x^2 + 22x + 15 \end{array}$$