

Multiplying Polynomials

$$(2x-3)(x+7)$$

Distributive Property Method

$$\begin{aligned} & (2x)(x) + (2x)(\cancel{7}) - (3)(\cancel{x}) - (3)(7) \\ & 2x^2 + 14x - 3x - 21 \\ & \quad \underbrace{\hspace{1.5cm}} \\ & 2x^2 + 11x - 21 \end{aligned}$$

Grid Method

	$2x$	-3
x	$2x^2$	$-3x$
$+7$	$14x$	-21
	$2x^2 + 11x - 21$	