



A More Complicated Polynomial Expression (Geometric Model/Box Method)

(Video Notes)

[Video Link](#)

A More Complicated Polynomial Expression

Expand:

$$-4(2x - 5)(3x + 1) - (6x + 1)^2$$

$$-4(6x^2 - 13x - 5) - (36x^2 + 12x + 1)$$

$$\underline{-24x^2 + 52x + 20} - \underline{36x^2 - 12x - 1}$$

$$\boxed{-60x^2 + 40x + 19}$$

Box

	$2x$	-5
$3x$	$6x^2$	$-15x$
1	$2x$	-5

$6x^2 - 13x - 5$

	$6x$	1
$6x$	$36x^2$	$6x$
1	$6x$	1

$36x^2 + 12x + 1$