Multiply and show all steps.

$3x\,(x^2 + 2x + 4)$	$-2y\,(y^2 - 3y + 5)$
$4a\,(2a^2 - a + 3)$	$-x\,(x^2 + 4x - 7)$
$5m\,(3m^2 - 2m + 1)$	$2z\,(z^2 + z + 1)$
$-3x\,(2x^2 - x + 4)$	$7y\,(y^2 + 3y - 5)$
$-4a\,(a^2 - 2a + 6)$	$6b\,(b^2 + 5b - 3)$

Multiply and show all steps.

$3x^3 + 6x^2 + 12x$	$-2y^3 + 6y^2 - 10y$
$8a^3 - 4a^2 + 12a$	$-x^3 - 4x^2 + 7x$
$15m^3 - 10m^2 + 5m$	$2z^3 + 2z^2 + 2z$
$-6x^3 + 3x^2 - 12x$	$7y^3 + 21y^2 - 35y$
$-4a^3 + 8a^2 - 24a$	$6b^3 + 30b^2 - 18b$