

Name : _____

Multiplying Binomials & Trinomials

Sheet 2

Find the product using box method.

1) $(-p^3 - 4p^2)(-11p^5 - 6p^4 + 9p^3)$

2) $(-y^3 + 2y^2)(-21y^3 - y^2 - 14y)$

3) $(3v^2 - v)(9uv^2 + 3uv +$

$+ b^3)$

5) $(2n^3 + n^2)(-15n^2 + 30n$

$g^2h^2 + gh - 1)$

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Multiplying Binomials & Trinomials

Find the product using box method.

1) $(-p^3 - 4p^2)(-11p^5 - 6p^4 + 9p^3)$

	-11p⁵	-6p⁴	9p³
-p³	11p⁸	6p⁷	-9p⁶
-4p²	44p⁷	24p⁶	-36p⁵

11p⁸ + 50p⁷ - 45p⁶

2) $(-y^3 + 2y^2)(-21y^3 - y^2 - 14y)$

	-21y³	-y²	-14y
-y³	21y⁶	y⁵	14y⁴
2y²	-42y⁵	-2y⁴	-28y³

-41y⁵ + 12y⁴ - 28y³

3) $(3v^2 - v)(9uv^2 + 3uv + 2v)$

	9uv²
3v²	27uv⁴
-v	-9uv³

27uv⁴ - 9uv³ + 6v³

$(b^2 + b)(b^2 + b^3)$

	b⁴	b³
b²	b⁷	b⁶
b	-b⁶	-b⁵

-b⁸ + 2b⁷ - b⁵

5) $(2n^3 + n^2)(-15n^2 + 30n - 5)$

	-15n²	30n	-5
2n³	-30n⁵	60n⁴	-10n³
n²	-15n⁴	30n³	-5n²

-30n⁵ + 45n⁴ + 20n³ - 5n²

$(8g^2h^2 + gh - 1)(gh^2 + gh - 1)$

	8g²h²	gh	-1
-6g²h²	-48g⁴h⁴	-6g³h³	6g²h²
-4gh	-32g³h³	-4g²h²	4gh

-48g⁴h⁴ - 38g³h³ + 2g²h² + 4gh

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