

Name : _____

Multiplying Binomials

Sheet 2

Find the product using box method.

1) $(5n^4 - 4n^3)(8n - 2)$

2) $(-8a + 9)(3a + 12)$

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3) $(x^5y + x^3y^3)(x^5y -$

$5 + 11g^4)$

5) $(-3d^6 - 4d^4)(-5d$

$6qr^2 - 6)$

Multiplying Binomials

Find the product using box method.

1) $(5n^4 - 4n^3)(8n - 2)$

2) $(-8a + 9)(3a + 12)$

	8n	-2
5n⁴	40n⁵	-10n⁴
-4n³	-32n⁴	8n³

	3a	12
-8a	-24a²	-96a
9	27a	108

40n⁵ -

-24a² - 69a + 108

3) $(x^5y + x^3y^3)(x^5y - x^3y^3)$

11g⁵ + 11g⁴

	x⁵y
x⁵y	x¹⁰y²
x³y³	x⁸y⁴

	11g⁵
11g⁵	11g⁹
-11g⁹	-110g⁸

x¹⁰y² -

11g⁹ - 110g⁸

5) $(-3d^6 - 4d^4)(-5d^5 + 7d^3)$

10pqr² - 6

	-5d⁵	7d³
-3d⁶	15d¹¹	-21d⁹
-4d⁴	20d⁹	-28d⁷

	-pqr²	-6
p²qr²	-p³q²r⁴	-6p²qr²
-6p	6p²qr²	36p

15d¹¹ - d⁹ - 28d⁷

-p³q²r⁴ + 36p

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