

Name : _____

Multiplying Binomials

Sheet 3

Find the product using box method.

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

2) $(2c^2d^2 + c^2d)(4d^2 - d)$

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3) $(-6g^3 - 12g)(-g$

$p)$

5) $(5m^5n + 20m)(-$

$+ 8u^3)$

Multiplying Binomials

Find the product using box method.

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

	x	2
-x	$-x^2$	$-2x$
3	$3x$	6

2) $(2c^2d^2 + c^2d)(4d^2 - d)$

	$4d^2$	$-d$
$2c^2d^2$	$8c^2d^4$	$-2c^2d^3$
c^2d	$4c^2d^3$	$-c^2d^2$

$-x^2$

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$+ 2c^2d^3 - c^2d^2$

3) $(-6g^3 - 12g)(-g^5 + p)$

	$-g^5$	
$-6g^3$	$6g^8$	
$-12g$	$12g^6$	

	$-p$
5	p^4
4	p^3

$6g^8 + 12g^6$

$-p^5 + p^3$

5) $(5m^5n + 20m)(-m^4n + 4u^4 + 8u^3)$

	$-m^4n$	4
$5m^5n$	$-5m^9n^2$	$20m^5n$
$20m$	$-20m^5n$	$80m$

	$9u^4$	$8u^3$
u^6	$9u^{10}$	$8u^9$
$-7u^5$	$-63u^9$	$-56u^8$

$-5m^9n^2 + 80m$

$9u^{10} - 55u^9 - 56u^8$