

Name : _____

Multiplying Trinomials

Sheet 3

Find the product using box method.

1) $(-10v^3 + 5v^2 + 3v)(2v^3 + v^2 - 4v)$

2) $(z^2 + 2z - 5)(-8z^3 + 16z^2 + z)$

3) $(-13u^6v^3 - 11u^5v^2 - u^4v)(2u^3v^2 + 15c + 7)$

PREVIEW

Gain complete access to the largest collection of worksheets in all subjects!

Members, please log in to download this worksheet.

Not a member? Please sign up to gain complete access.

www.mathworksheets4kids.com

$(-c^5d^3)(-c^3d^2 + 2c^3d - 3c^3)$

5) $(-8h^5 - 6h^4 + 12h^3)(4h^2 + 3h - 5)$

$(-c^5d^3)(-c^3d^2 + 2c^3d - 3c^3)$

Multiplying Trinomials

Find the product using box method.

1) $(-10v^3 + 5v^2 + 3v)(2v^3 + v^2 - 4v)$

	$2v^3$	v^2	$-4v$
$-10v^3$	$-20v^6$	$-10v^5$	$40v^4$
$5v^2$	$10v^5$	$5v^4$	$-20v^3$
$3v$	$6v^4$	$3v^3$	$-12v^2$

$-20v^6 + 55v^5 + 73v^4 - 78v^3 - 5z$

2) $(z^2 + 2z - 5)(-8z^3 + 16z^2 + z)$

	$-8z^3$	$16z^2$	z
z^2	$-8z^5$	$16z^4$	z^3
$2z$	$-16z^4$	$32z^3$	$2z^2$
-5	$-40z^3$	$-80z^2$	$-5z$

$-8z^5 + 73z^4 - 78z^3 - 5z$

3) $(-13u^6v^3 - 11u^5v^2 - u^4v)(2u^2v^5 + 15c + 7)$

	$-u^2v^2$
$-13u^6v^3$	$13u^8v^5$
$-11u^5v^2$	$11u^7v^4$
$-u^4v$	u^6v^3

$13u^8v^5 - 2u^7v^4$

PREVIEW

Gain complete access to the largest collection of worksheets in all subjects!

Members, please log in to download this worksheet.

Not a member? Please sign up to gain complete access.

www.mathworksheets4kids.com

$15c^2 + 15c + 7$

	$15c$	7
	$-15c^7$	$-7c^6$
	$15c^6$	$7c^5$
	$-15c^5$	$-7c^4$

$+ 2c^7 - 9c^6 - 8c^5 - 7c^4$

5) $(-8h^5 - 6h^4 + 12h^3)(4h^4 + 8h^3 + h^2)$

	$4h^4$	$8h^3$	h^2
$-8h^5$	$-32h^9$	$-64h^8$	$-8h^7$
$-6h^4$	$-24h^8$	$-48h^7$	$-6h^6$
$12h^3$	$48h^7$	$96h^6$	$12h^5$

$-32h^9 - 88h^8 - 8h^7 + 90h^6 + 12h^5$

$5c^5d^3)(-c^3d^2 + 2c^3d - 3c^3)$

	$-c^3d^2$	$2c^3d$	$-3c^3$
$2c^5d^5$	$-2c^8d^7$	$4c^8d^6$	$-6c^8d^5$
$4c^5d^4$	$-4c^8d^6$	$8c^8d^5$	$-12c^8d^4$
$6c^5d^3$	$-6c^8d^5$	$12c^8d^4$	$-18c^8d^3$

$-2c^8d^7 - 4c^8d^5 - 18c^8d^3$