

Name : _____

Multiplying Binomials & Trinomials

Sheet 1

Find the product using box method.

1) $(2x^2y + 3xy)(x^2 + 3x + 4)$

2) $(a^5 - a^4)(a^5 + a^4 - a^3)$

3) $(-q + 1)(12q^2 - 5q + 7)$

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

$- 8s^3)$

5) $(b^2c - b)(-b^6c^3 + b^5c^2$

$+ z^4 + 9z^3)$

Multiplying Binomials & Trinomials

Find the product using box method.

1) $(2x^2y + 3xy)(x^2 + 3x + 4)$

	x^2	$3x$	4
$2x^2y$	$2x^4y$	$6x^3y$	$8x^2y$
$3xy$	$3x^3y$	$9x^2y$	$12xy$

$2x^4y + 9x^3y + 12x^2y$

2) $(a^5 - a^4)(a^5 + a^4 - a^3)$

	a^5	a^4	$-a^3$
a^5	a^{10}	a^9	$-a^8$
$-a^4$	$-a^9$	$-a^8$	a^7

$a^{10} - 2a^8 + a^7$

3) $(-q + 1)(12q^2 - 5q + 7)$

	$12q^2$	
$-q$	$-12q^3$	
1	$12q^2$	

$-12q^3 + 12q^2$

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

$-8s^3$

$-3s^4 - 8s^3$

	$27s^{10}$	$72s^9$
	$3s^9$	$8s^8$

$s^9 + 26s^{10} + 75s^9 + 8s^8$

5) $(b^2c - b)(-b^6c^3 + b^5c^2)$

	$-b^6c^3$	b^5c^2	$-b^4c$
b^2c	$-b^8c^4$	b^7c^3	$-b^6c^2$
$-b$	b^7c^3	$-b^6c^2$	b^5c

$-b^8c^4 + 2b^7c^3 - 2b^6c^2 + b^5c$

	$-5z^5$	z^4	$9z^3$
$10z^3$	$-50z^8$	$10z^7$	$90z^6$
$2z^2$	$-10z^7$	$2z^6$	$18z^5$

$-50z^8 + 92z^6 + 18z^5$