



Multiplying Binomials - Box Method

Name _____

Score _____

BM:07

Multiply the binomials using box method.

1) $(m + n)(7m + 2n)$

	7m	2n
m		
n		

2) $(2t + 3)(3t - 4)$

	3t	-4
2t		
3		

3) $(x - y)(x^2 - y^2)$

	x^2	$-y^2$
x		
-y		

4) $(7g + 6)(4g + 5)$

	4g	5
7g		
6		

5) $(d^2 - d)(d - 10)$

	d	-10
d^2		
-d		

6) $(2p + q)(r - 3s)$

	r	-3s
2p		
q		



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Multiply the binomials using box method.

1) $(m + n)(7m + 2n)$

	7m	2n
m	$7m^2$	$2mn$
n	$7mn$	$2n^2$

$7m^2 + 9mn + 2n^2$

2) $(2t + 3)(3t - 4)$

	3t	-4
2t	$6t^2$	$-8t$
3	$9t$	-12

$6t^2 + t - 12$

3) $(x - y)(x^2 - y^2)$

	x^2	$-y^2$
x	x^3	$-xy^2$
-y	$-x^2y$	y^3

$x^3 - xy^2 - x^2y + y^3$

4) $(7g + 6)(4g + 5)$

	4g	5
7g	$28g^2$	$35g$
6	$24g$	30

$28g^2 + 59g + 30$

5) $(d^2 - d)(d - 10)$

	d	-10
d^2	d^3	$-10d^2$
-d	$-d^2$	$10d$

$d^3 - 11d^2 + 10d$

6) $(2p + q)(r - 3s)$

	r	-3s
2p	$2pr$	$-6ps$
q	qr	$-3qs$

$2pr - 6ps + qr - 3qs$