



Multiplying Binomials - Box Method

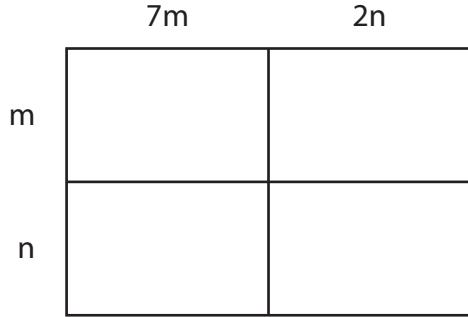
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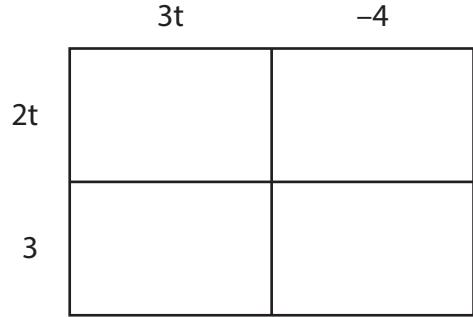
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Multiply the binomials using box method.

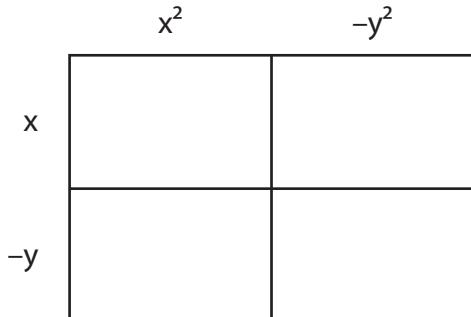
1) $(m + n)(7m + 2n)$



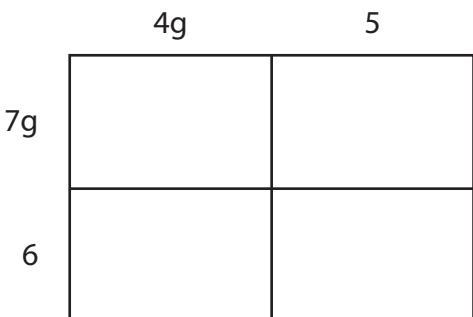
2) $(2t + 3)(3t - 4)$



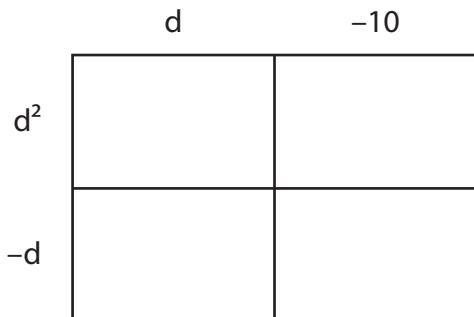
3) $(x - y)(x^2 - y^2)$



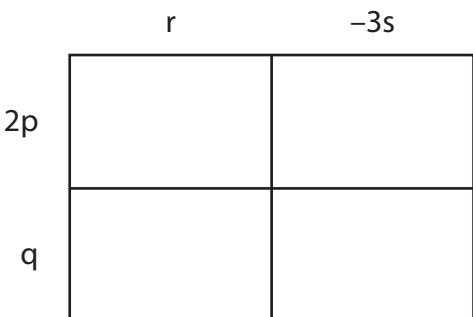
4) $(7g + 6)(4g + 5)$



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



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





Multiplying Binomials - Box Method

Answer key

Name _____

Score _____

BM:07

Multiply the binomials using box method.

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

	7m	2n
m	7m²	2mn
n	7mn	2n²

$$\underline{7m^2 + 9mn + 2n^2}$$

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

	3t	-4
2t	6t²	-8t
3	9t	-12

$$\underline{6t^2 + t - 12}$$

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

	x ²	-y ²
x	x³	-xy²
-y	-x²y	y³

$$\underline{x^3 - xy^2 - x^2y + y^3}$$

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

	4g	5
7g	28g²	35g
6	24g	30

$$\underline{28g^2 + 59g + 30}$$

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

	d	-10
d ²	d³	-10d²
-d	-d²	10d

$$\underline{d^3 - 11d^2 + 10d}$$

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

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

$$\underline{2pr - 6ps + qr - 3qs}$$