



Multiplying Polynomials - Box Method

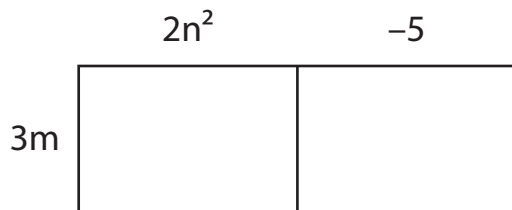
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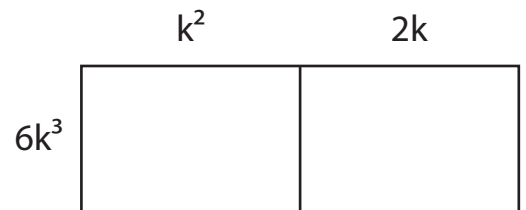
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Multiply the polynomials using box method.

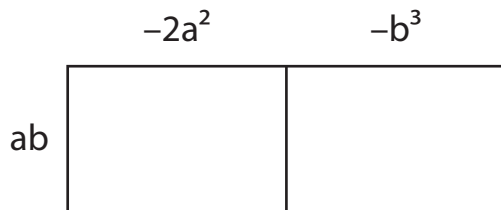
1) $3m(2n^2 - 5) =$



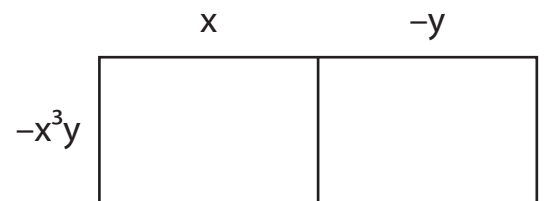
2) $6k^3(k^2 + 2k) =$



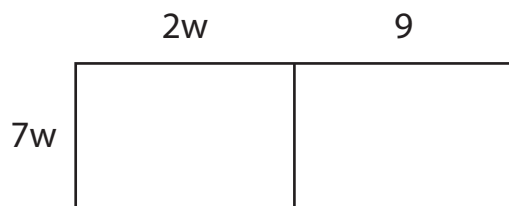
3) $ab(-2a^2 - b^3) =$



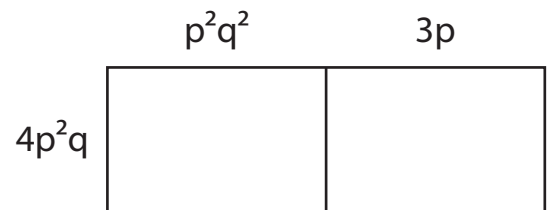
4) $-x^3y(x - y) =$



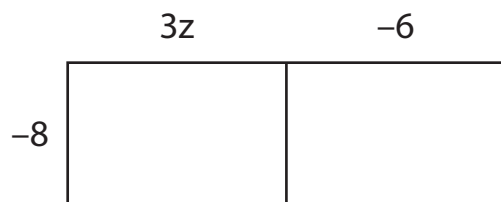
5) $7w(2w + 9) =$



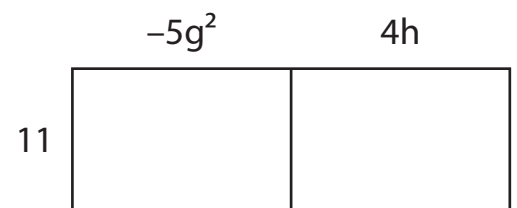
6) $4p^2q(p^2q^2 + 3p) =$



7) $-8(3z - 6) =$



8) $11(-5g^2 + 4h) =$





Multiplying Polynomials - Box Method

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Answer key

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Multiply the polynomials using box method.

1) $3m(2n^2 - 5) = 6mn^2 - 15m$

	$2n^2$	-5
$3m$	$6mn^2$	$-15m$

2) $6k^3(k^2 + 2k) = 6k^5 + 12k^4$

	k^2	$2k$
$6k^3$	$6k^5$	$12k^4$

3) $ab(-2a^2 - b^3) = -2a^3b - ab^4$

	$-2a^2$	$-b^3$
ab	$-2a^3b$	$-ab^4$

4) $-x^3y(x - y) = -x^4y + x^3y^2$

	x	$-y$
$-x^3y$	$-x^4y$	x^3y^2

5) $7w(2w + 9) = 14w^2 + 63w$

	$2w$	9
$7w$	$14w^2$	$63w$

6) $4p^2q(p^2q^2 + 3p) = 4p^4q^3 + 12p^3q$

	p^2q^2	$3p$
$4p^2q$	$4p^4q^3$	$12p^3q$

7) $-8(3z - 6) = -24z + 48$

	$3z$	-6
-8	$-24z$	48

8) $11(-5g^2 + 4h) = -55g^2 + 44h$

	$-5g^2$	$4h$
11	$-55g^2$	$44h$