



Expand each problem using the box method.

Answers

1) $(-4x^2+2x)(3x^2+3x)$

2) $(-2x^2-7x+6)(8x^2-5x-2)$

1. _____

2. _____

3. _____

4. _____

3) $(-8x^2+2x+8)(5x^2-2x)$

4) $(8x^2-7x)(3x^2+6x+8)$

5. _____

6. _____

7. _____

5) $(3x^2-3x+7)(9x^2+1x)$

6) $(6x^2-2x)(3x^2-6x-5)$

8. _____

9. _____

10. _____

7) $(6x^2-8x-4)(-3x^2+7x)$

8) $(5x^2-8x+3)(-4x^2-9x-9)$

9) $(6x^2-8x)(-9x^2-3x)$

10) $(1x^2+4x)(-5x^2-9x+6)$



Expand each problem using the box method.

1) $(-4x^2+2x)(3x^2+3x)$

	$-4x^2$	$2x$
$3x^2$	$-12x^4$	$6x^3$
$3x$	$-12x^3$	$6x^2$

2) $(-2x^2-7x+6)(8x^2-5x-2)$

	$-2x^2$	$-7x$	6
$8x^2$	$-16x^4$	$-56x^3$	$48x^2$
$-5x$	$10x^3$	$35x^2$	$-30x$
-2	$4x^2$	$14x$	-12

3) $(-8x^2+2x+8)(5x^2-2x)$

	$-8x^2$	$2x$	8
$5x^2$	$-40x^4$	$10x^3$	$40x^2$
$-2x$	$16x^3$	$-4x^2$	$-16x$

4) $(8x^2-7x)(3x^2+6x+8)$

	$8x^2$	$-7x$
$3x^2$	$24x^4$	$-21x^3$
$6x$	$48x^3$	$-42x^2$
8	$64x^2$	$-56x$

5) $(3x^2-3x+7)(9x^2+1x)$

	$3x^2$	$-3x$	7
$9x^2$	$27x^4$	$-27x^3$	$63x^2$
$1x$	$3x^3$	$-3x^2$	$7x$

6) $(6x^2-2x)(3x^2-6x-5)$

	$6x^2$	$-2x$
$3x^2$	$18x^4$	$-6x^3$
$-6x$	$-36x^3$	$12x^2$
-5	$-30x^2$	$10x$

7) $(6x^2-8x-4)(-3x^2+7x)$

	$6x^2$	$-8x$	-4
$-3x^2$	$-18x^4$	$24x^3$	$12x^2$
$7x$	$42x^3$	$-56x^2$	$-28x$

8) $(5x^2-8x+3)(-4x^2-9x-9)$

	$5x^2$	$-8x$	3
$-4x^2$	$-20x^4$	$32x^3$	$-12x^2$
$-9x$	$-45x^3$	$72x^2$	$-27x$
-9	$-45x^2$	$72x$	-27

9) $(6x^2-8x)(-9x^2-3x)$

	$6x^2$	$-8x$
$-9x^2$	$-54x^4$	$72x^3$
$-3x$	$-18x^3$	$24x^2$

10) $(1x^2+4x)(-5x^2-9x+6)$

	$1x^2$	$4x$
$-5x^2$	$-5x^4$	$-20x^3$
$-9x$	$-9x^3$	$-36x^2$
6	$6x^2$	$24x$

Answers

- $-12x^4-6x^3+6x^2$
- $-16x^4-46x^3+87x^2-16x-12$
- $-40x^4+26x^3+36x^2-16x$
- $24x^4+27x^3+22x^2-56x$
- $27x^4-24x^3+60x^2+7x$
- $18x^4-42x^3-18x^2+10x$
- $-18x^4+66x^3-44x^2-28x$
- $-20x^4-13x^3+15x^2+45x-27$
- $-54x^4+54x^3+24x^2$
- $-5x^4-29x^3-30x^2+24x$