



Expand each problem using the box method.

Answers

1) $(-1x^2+4x+3)(6x^2-8x)$

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

1. _____

2. _____

3. _____

4. _____

3) $(3x^2+1x+5)(-1x^2+6x+2)$

4) $(-7x^2-7x+1)(1x^2-2x-1)$

5. _____

6. _____

7. _____

8. _____

5) $(2x^2+2x-2)(-2x^2+1x)$

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

9. _____

10. _____

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

8) $(-7x^2+9x)(-1x^2-4x+9)$

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

10) $(-4x^2+6x-6)(-5x^2-7x-1)$



Expand each problem using the box method.

Answers

1) $(-1x^2+4x+3)(6x^2-8x)$

	$-1x^2$	$4x$	3
$6x^2$	$-6x^4$	$24x^3$	$18x^2$
$-8x$	$8x^3$	$-32x^2$	$-24x$

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

	$-3x^2$	$-9x$
$1x^2$	$-3x^4$	$-9x^3$
$-7x$	$21x^3$	$63x^2$
5	$-15x^2$	$-45x$

3) $(3x^2+1x+5)(-1x^2+6x+2)$

	$3x^2$	$1x$	5
$-1x^2$	$-3x^4$	$-1x^3$	$-5x^2$
$6x$	$18x^3$	$6x^2$	$30x$
2	$6x^2$	$2x$	10

4) $(-7x^2-7x+1)(1x^2-2x-1)$

	$-7x^2$	$-7x$	1
$1x^2$	$-7x^4$	$-7x^3$	$1x^2$
$-2x$	$14x^3$	$14x^2$	$-2x$
-1	$7x^2$	$7x$	-1

5) $(2x^2+2x-2)(-2x^2+1x)$

	$2x^2$	$2x$	-2
$-2x^2$	$-4x^4$	$-4x^3$	$4x^2$
$1x$	$2x^3$	$2x^2$	$-2x$

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

	$-6x^2$	$-8x$	8
$7x^2$	$-42x^4$	$-56x^3$	$56x^2$
$-8x$	$48x^3$	$64x^2$	$-64x$
-6	$36x^2$	$48x$	-48

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

	$4x^2$	$-3x$	2
$-4x^2$	$-16x^4$	$12x^3$	$-8x^2$
$4x$	$16x^3$	$-12x^2$	$8x$

8) $(-7x^2+9x)(-1x^2-4x+9)$

	$-7x^2$	$9x$
$-1x^2$	$7x^4$	$-9x^3$
$-4x$	$28x^3$	$-36x^2$
9	$-63x^2$	$81x$

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

	$-9x^2$	$9x$
$6x^2$	$-54x^4$	$54x^3$
$8x$	$-72x^3$	$72x^2$
3	$-27x^2$	$27x$

10) $(-4x^2+6x-6)(-5x^2-7x-1)$

	$-4x^2$	$6x$	-6
$-5x^2$	$20x^4$	$-30x^3$	$30x^2$
$-7x$	$28x^3$	$-42x^2$	$42x$
-1	$4x^2$	$-6x$	6

1. $-6x^4+32x^3-14x^2-24x$

2. $-3x^4+12x^3+48x^2-45x$

3. $-3x^4+17x^3+7x^2+32x+10$

4. $-7x^4+7x^3+22x^2+5x-$

5. $-4x^4-2x^3+6x^2-2x$

6. $-42x^4-8x^3+156x^2-16x-48$

7. $-16x^4+28x^3-20x^2+8x$

8. $7x^4+19x^3-99x^2+81x$

9. $-54x^4-18x^3+45x^2+27x$

10. $20x^4-2x^3-8x^2+36x+6$