



Expand each problem using the box method.

1) $(7x^2+6x)(3x^2-7x+6)$

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

3) $(-5x^2-8x-9)(-6x^2-2x)$

4) $(-8x^2+4x)(9x^2+7x-3)$

5) $(-6x^2+5x-4)(-8x^2-5x)$

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

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

8) $(-9x^2+1x+8)(-6x^2-8x)$

9) $(6x^2+1x+1)(-5x^2-8x+6)$

10) $(-9x^2+3x)(-3x^2-4x-1)$

Answers

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____



Expand each problem using the box method.

1) $(7x^2+6x)(3x^2-7x+6)$

	$7x^2$	$6x$	
$3x^2$	$21x^4$	$18x^3$	
$-7x$	$-49x^3$	$-42x^2$	
6	$42x^2$	$36x$	

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

	$-7x^2$	$-6x$	-7
$-4x^2$	$28x^4$	$24x^3$	$28x^2$
$3x$	$-21x^3$	$-18x^2$	$-21x$

3) $(-5x^2-8x-9)(-6x^2-2x)$

	$-5x^2$	$-8x$	-9
$-6x^2$	$30x^4$	$48x^3$	$54x^2$
$-2x$	$10x^3$	$16x^2$	$18x$

4) $(-8x^2+4x)(9x^2+7x-3)$

	$-8x^2$	$4x$
$9x^2$	$-72x^4$	$36x^3$
$7x$	$-56x^3$	$28x^2$
-3	$24x^2$	$-12x$

5) $(-6x^2+5x-4)(-8x^2-5x)$

	$-6x^2$	$5x$	-4
$-8x^2$	$48x^4$	$-40x^3$	$32x^2$
$-5x$	$30x^3$	$-25x^2$	$20x$

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

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

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

	$2x^2$	$5x$	7
$-5x^2$	$-10x^4$	$-25x^3$	$-35x^2$
$2x$	$4x^3$	$10x^2$	$14x$

8) $(-9x^2+1x+8)(-6x^2-8x)$

	$-9x^2$	$1x$	8
$-6x^2$	$54x^4$	$-6x^3$	$-48x^2$
$-8x$	$72x^3$	$-8x^2$	$-64x$

9) $(6x^2+1x+1)(-5x^2-8x+6)$

	$6x^2$	$1x$	1
$-5x^2$	$-30x^4$	$-5x^3$	$-5x^2$
$-8x$	$-48x^3$	$-8x^2$	$-8x$
6	$36x^2$	$6x$	6

10) $(-9x^2+3x)(-3x^2-4x-1)$

	$-9x^2$	$3x$
$-3x^2$	$27x^4$	$-9x^3$
$-4x$	$36x^3$	$-12x^2$
-1	$9x^2$	$-3x$

Answers

1. $21x^4-31x^3+36x$

2. $28x^4+3x^3+10x^2-21x$

3. $30x^4+58x^3+70x^2+18x$

4. $-72x^4-20x^3+52x^2-12x$

5. $48x^4-10x^3+7x^2+20x$

6. $-16x^4+32x^3-4x^2-12x+4$

7. $-10x^4-21x^3-25x^2+14x$

8. $54x^4+66x^3-56x^2-64x$

9. $-30x^4-53x^3+23x^2-2x+6$

10. $27x^4+27x^3-3x^2-3x$