



Expand each problem using the box method.

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

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

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

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

5) $(-3x^2+3x+-7)(-6x^2+8x+2)$

6) $(7x^2+-3x+-2)(9x^2+1x)$

7) $(-6x^2+-6x)(-8x^2+-2x+-1)$

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

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

10) $(-1x^2+6x+4)(8x^2+9x+8)$

Answers

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____



Expand each problem using the box method.

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

	$1x^2$	$7x$
$-2x^2$	$-2x^4$	$-14x^3$
$-8x$	$-8x^3$	$-56x^2$

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

	$5x^2$	$4x$
$8x^2$	$40x^4$	$32x^3$
$-6x$	$-30x^3$	$-24x^2$

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

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

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

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

5) $(-3x^2+3x+-7)(-6x^2+8x+2)$

	$-3x^2$	$3x$	-7
$-6x^2$	$18x^4$	$-18x^3$	$42x^2$
$8x$	$-24x^3$	$24x^2$	$-56x$
2	$-6x^2$	$6x$	-14

6) $(7x^2+-3x+-2)(9x^2+1x)$

	$7x^2$	$-3x$	-2
$9x^2$	$63x^4$	$-27x^3$	$-18x^2$
$1x$	$7x^3$	$-3x^2$	$-2x$

7) $(-6x^2+-6x)(-8x^2+-2x+-1)$

	$-6x^2$	$-6x$
$-8x^2$	$48x^4$	$48x^3$
$-2x$	$12x^3$	$12x^2$
-1	$6x^2$	$6x$

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

	$7x^2$	$-9x$	-8
$2x^2$	$14x^4$	$-18x^3$	$-16x^2$
$4x$	$28x^3$	$-36x^2$	$-32x$

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

	$-6x^2$	$-5x$
$-9x^2$	$54x^4$	$45x^3$
$1x$	$-6x^3$	$-5x^2$
8	$-48x^2$	$-40x$

10) $(-1x^2+6x+4)(8x^2+9x+8)$

	$-1x^2$	$6x$	4
$8x^2$	$-8x^4$	$48x^3$	$32x^2$
$9x$	$-9x^3$	$54x^2$	$36x$
8	$-8x^2$	$48x$	32

Answers

1. $-2x^4-22x^3-56x^2$

2. $40x^4+2x^3-24x^2$

3. $-48x^4+24x^3+192x^2-72$

4. $-9x^4+64x^3+55x^2-8x$

5. $18x^4-42x^3+60x^2-50x-14$

6. $63x^4-20x^3-21x^2-2x$

7. $48x^4+60x^3+18x^2+6x$

8. $14x^4+10x^3-52x^2-32x$

9. $54x^4+39x^3-53x^2-40x$

10. $-8x^4+39x^3+78x^2+84x+32$