



Expand each problem using the box method.

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

2) $(-4x^2-8x)^2$

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

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

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

6) $(-9x^2-4)^2$

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

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

9) $(8x^2+8x)^2$

10) $(-2x^2-4)^2$

Answers

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____



Expand each problem using the box method.

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

	$7x^2$	$-2x$
$7x^2$	$49x^4$	$-14x^3$
$-2x$	$-14x^3$	$4x^2$

2) $(-4x^2-8x)^2$

	$-4x^2$	$-8x$
$-4x^2$	$16x^4$	$32x^3$
$-8x$	$32x^3$	$64x^2$

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

	$-9x^2$	4
$-9x^2$	$81x^4$	$-36x^2$
4	$-36x^2$	16

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

	$-6x$	-7
$-6x$	$36x^2$	$42x$
-7	$42x$	49

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

	$-6x^2$	-4
$-6x^2$	$36x^4$	$24x^2$
-4	$24x^2$	16

6) $(-9x^2-4)^2$

	$-9x^2$	-4
$-9x^2$	$81x^4$	$36x^2$
-4	$36x^2$	16

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

	$-6x$	9
$-6x$	$36x^2$	$-54x$
9	$-54x$	81

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

	$5x^2$	7
$5x^2$	$25x^4$	$35x^2$
7	$35x^2$	49

9) $(8x^2+8x)^2$

	$8x^2$	$8x$
$8x^2$	$64x^4$	$64x^3$
$8x$	$64x^3$	$64x^2$

10) $(-2x^2-4)^2$

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

Answers

- $49x^4-28x^3+4x^2$
- $16x^4+64x^3+64x^2$
- $81x^4-72x^2+16$
- $36x^2+84x+49$
- $36x^4+48x^2+16$
- $81x^4+72x^2+16$
- $36x^2-108x+81$
- $25x^4+70x^2+49$
- $64x^4+128x^3+64x^2$
- $4x^4+16x^2+16$