



Expand each problem using the box method.

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

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

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

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

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

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

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

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

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

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

Answers

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____



Expand each problem using the box method.

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

	$-6x^2$	7
$-6x^2$	$36x^4$	$-42x^2$
7	$-42x^2$	49

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

	$-8x^2$	5
$-8x^2$	$64x^4$	$-40x^2$
5	$-40x^2$	25

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

	$8x^2$	-6
$8x^2$	$64x^4$	$-48x^2$
-6	$-48x^2$	36

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

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

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

	$2x^2$	-2
$2x^2$	$4x^4$	$-4x^2$
-2	$-4x^2$	4

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

	$-8x^2$	-9
$-8x^2$	$64x^4$	$72x^2$
-9	$72x^2$	81

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

	$-9x^2$	1
$-9x^2$	$81x^4$	$-9x^2$
1	$-9x^2$	1

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

	$8x^2$	-3
$8x^2$	$64x^4$	$-24x^2$
-3	$-24x^2$	9

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

	$-3x$	8
$-3x$	$9x^2$	$-24x$
8	$-24x$	64

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

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

Answers

1. $36x^4-84x^2+49$

2. $64x^4-80x^2+25$

3. $64x^4-96x^2+36$

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

5. $4x^4-8x^2+4$

6. $64x^4+144x^2+81$

7. $81x^4-18x^2+1$

8. $64x^4-48x^2+9$

9. $9x^2-48x+64$

10. $16x^4-32x^3+16x^2$