



Expand each problem using the box method.

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

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

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

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

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

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

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

8) $(3x+1)^2$

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

10) $(-7x^2+2)^2$

Answers

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____



Expand each problem using the box method.

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

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

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

	$-7x^2$	4x
$-7x^2$	$49x^4$	$-28x^3$
4x	$-28x^3$	$16x^2$

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

	$3x^2$	-3
$3x^2$	$9x^4$	$-9x^2$
-3	$-9x^2$	9

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

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

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

	$-9x$	-3
$-9x$	$81x^2$	$27x$
-3	$27x$	9

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

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

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

	$2x^2$	-6
$2x^2$	$4x^4$	$-12x^2$
-6	$-12x^2$	36

8) $(3x+1)^2$

	3x	1
3x	$9x^2$	$3x$
1	$3x$	1

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

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

10) $(-7x^2+2)^2$

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

Answers

1. $64x^4-80x^2+25$

2. $49x^4-56x^3+16x^2$

3. $9x^4-18x^2+9$

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

5. $81x^2+54x+9$

6. $x^4-16x^3+64x^2$

7. $4x^4-24x^2+36$

8. $9x^2+6x+1$

9. $64x^4-80x^2+25$

10. $49x^4-28x^2+4$