



Expand each problem using the box method.

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

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

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

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

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

6) $(5x^2+2)^2$

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

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

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

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

Answers

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____



Expand each problem using the box method.

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

	-9x	2
-9x	$81x^2$	$-18x$
2	$-18x$	4

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

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

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

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

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

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

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

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

6) $(5x^2+2)^2$

	$5x^2$	2
$5x^2$	$25x^4$	$10x^2$
2	$10x^2$	4

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

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

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

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

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

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

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

	$-9x^2$	-3
$-9x^2$	$81x^4$	$27x^2$
-3	$27x^2$	9

Answers

1. $81x^2-36x+4$

2. $36x^4-48x^2+16$

3. $64x^4+128x^3+64x^2$

4. $64x^4-48x^3+9x^2$

5. $64x^4-16x^2+1$

6. $25x^4+20x^2+4$

7. $64x^2-80x+25$

8. $64x^4-128x^2+64$

9. $49x^2-56x+16$

10. $81x^4+54x^2+9$