



Expand each problem using the box method.

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

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

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

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

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

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

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

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

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

10) $(-4x^2+-9)^2$

Answers

- 1. _____
- 2. _____
- 3. _____
- 4. _____
- 5. _____
- 6. _____
- 7. _____
- 8. _____
- 9. _____
- 10. _____



Expand each problem using the box method.

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

	$-3x^2$	1
$-3x^2$	$9x^4$	$-3x^2$
1	$-3x^2$	1

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

	$-9x^2$	5x
$-9x^2$	$81x^4$	$-45x^3$
5x	$-45x^3$	$25x^2$

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

	7x	-9
7x	$49x^2$	$-63x$
-9	$-63x$	81

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

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

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

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

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

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

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

	$1x^2$	-2
$1x^2$	$1x^4$	$-2x^2$
-2	$-2x^2$	4

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

	$-5x^2$	1
$-5x^2$	$25x^4$	$-5x^2$
1	$-5x^2$	1

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

	-2x	1
-2x	$4x^2$	$-2x$
1	$-2x$	1

10) $(-4x^2+-9)^2$

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

Answers

1. $9x^4-6x^2+1$

2. $81x^4-90x^3+25x^2$

3. $49x^2-126x+81$

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

5. $64x^4-32x^3+4x^2$

6. $4x^4-36x^2+81$

7. x^4-4x^2+4

8. $25x^4-10x^2+1$

9. $4x^2-4x+1$

10. $16x^4+72x^2+81$