



Expand each problem using the box method.

1) $(3x^2-4)^2$

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

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

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

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

6) $(5x-9)^2$

7) $(3x^2-1x)^2$

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

9) $(-5x^2-4x)^2$

10) $(6x-6)^2$

Answers

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____



Expand each problem using the box method.

1) $(3x^2-4)^2$

	$3x^2$	-4
$3x^2$	$9x^4$	$-12x^2$
-4	$-12x^2$	16

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

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

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

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

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

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

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

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

6) $(5x-9)^2$

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

7) $(3x^2-1x)^2$

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

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

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

9) $(-5x^2-4x)^2$

	$-5x^2$	$-4x$
$-5x^2$	$25x^4$	$20x^3$
$-4x$	$20x^3$	$16x^2$

10) $(6x-6)^2$

	$6x$	-6
$6x$	$36x^2$	$-36x$
-6	$-36x$	36

Answers

1. $9x^4-24x^2+16$

2. $4x^2+4x+$

3. $81x^4+144x^2+64$

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

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

6. $25x^2-90x+81$

7. $9x^4-6x^3+x^2$

8. $9x^4-6x^2+$

9. $25x^4+40x^3+16x^2$

10. $36x^2-72x+36$