



Expand each problem using the box method.

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

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

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

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

5) $(3x^2+1)^2$

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

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

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

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

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

Answers

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____



Expand each problem using the box method.

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

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

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

	-7x²	-1x
-7x²	$49x^4$	$7x^3$
-1x	$7x^3$	$1x^2$

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

	4x²	8x
4x²	$16x^4$	$32x^3$
8x	$32x^3$	$64x^2$

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

	7x²	7x
7x²	$49x^4$	$49x^3$
7x	$49x^3$	$49x^2$

5) $(3x^2+-1)^2$

	3x²	-1
3x²	$9x^4$	$-3x^2$
-1	$-3x^2$	1

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

	-6x²	7
-6x²	$36x^4$	$-42x^2$
7	$-42x^2$	49

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

	2x²	-3
2x²	$4x^4$	$-6x^2$
-3	$-6x^2$	9

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

	-3x²	-4x
-3x²	$9x^4$	$12x^3$
-4x	$12x^3$	$16x^2$

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

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

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

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

Answers

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

2. $49x^4+14x^3+9x^2$

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

4. $49x^4+98x^3+49x^2$

5. $9x^4-6x^2$

6. $36x^4-84x^2+49$

7. $4x^4-12x^2+9$

8. $9x^4+24x^3+16x^2$

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

10. $4x^2+36x+81$