



Expand each problem using the box method.

1) $(4x + -7)^2$

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

3) $(-7x + -8)^2$

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

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

6) $(-8x^2 + 7x)^2$

7) $(-5x + 6)^2$

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

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

10) $(3x^2 + 4)^2$

Answers

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____



Expand each problem using the box method.

1) $(4x+7)^2$

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

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

	4x²	-2
4x²	$16x^4$	$-8x^2$
-2	$-8x^2$	4

3) $(-7x+8)^2$

	-7x	-8
-7x	$49x^2$	$56x$
-8	$56x$	64

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

	-5x²	9x
-5x²	$25x^4$	$-45x^3$
9x	$-45x^3$	$81x^2$

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

	6x²	5
6x²	$36x^4$	$30x^2$
5	$30x^2$	25

6) $(-8x^2+7x)^2$

	-8x²	7x
-8x²	$64x^4$	$-56x^3$
7x	$-56x^3$	$49x^2$

7) $(-5x+6)^2$

	-5x	6
-5x	$25x^2$	$-30x$
6	$-30x$	36

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

	8x²	-9x
8x²	$64x^4$	$-72x^3$
-9x	$-72x^3$	$81x^2$

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

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

10) $(3x^2+4)^2$

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

Answers

1. $16x^2-56x+49$

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

3. $49x^2-112x+64$

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

5. $36x^4-60x^3+25$

6. $64x^4-112x^3+49x^2$

7. $25x^2-60x+36$

8. $64x^4-144x^3+81x^2$

9. $9x^4-12x^3+4x^2$

10. $9x^4+24x^2+16$