



Expand each problem using the box method.

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

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

3) $(6x + 5)^2$

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

5) $(-4x^2 + 1)^2$

6) $(-3x + -8)^2$

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

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

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

10) $(5x + 9)^2$

Answers

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____



Expand each problem using the box method.

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

	$-7x^2$	-2
$-7x^2$	$49x^4$	$14x^2$
-2	$14x^2$	4

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

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

3) $(6x + 5)^2$

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

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

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

5) $(-4x^2 + 1)^2$

	$-4x^2$	1
$-4x^2$	$16x^4$	$-4x^2$
1	$-4x^2$	1

6) $(-3x + -8)^2$

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

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

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

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

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

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

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

10) $(5x + 9)^2$

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

Answers

1. $49x^4 + 28x^2 + 4$

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

3. $36x^2 + 60x + 25$

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

5. $16x^4 - 8x^2 + 1$

6. $9x^2 + 48x + 64$

7. $9x^2 - 48x + 64$

8. $9x^4 + 18x^2 + 9$

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

10. $25x^2 + 90x + 81$