



Expand each problem using the box method.

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

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

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

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

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

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

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

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

9) $(8x^2+-7x)^2$

10) $(8x^2+2x)^2$

Answers

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____



Expand each problem using the box method.

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

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

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

	$4x^2$	$7x$
$4x^2$	$16x^4$	$28x^3$
$7x$	$28x^3$	$49x^2$

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

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

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

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

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

	$5x^2$	-7
$5x^2$	$25x^4$	$-35x^2$
-7	$-35x^2$	49

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

	$-4x^2$	$6x$
$-4x^2$	$16x^4$	$-24x^3$
$6x$	$-24x^3$	$36x^2$

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

	$9x^2$	-3
$9x^2$	$81x^4$	$-27x^2$
-3	$-27x^2$	9

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

	$4x^2$	4
$4x^2$	$16x^4$	$16x^2$
4	$16x^2$	16

9) $(8x^2+-7x)^2$

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

10) $(8x^2+2x)^2$

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

Answers

1. $9x^4-12x^2+4$

2. $16x^4+56x^3+49x^2$

3. $9x^2+18x+9$

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

5. $25x^4-70x^2+49$

6. $16x^4-48x^3+36x^2$

7. $81x^4-54x^2+9$

8. $16x^4+32x^2+16$

9. $64x^4-112x^3+49x^2$

10. $64x^4+32x^3+4x^2$