



Expand each problem using the box method.

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

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

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

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

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

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

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

8) $(-1x^2+-6)^2$

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

10) $(1x^2+5x)^2$

Answers

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____



Expand each problem using the box method.

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

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

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

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

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

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

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

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

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

	$7x^2$	7
$7x^2$	$49x^4$	$49x^2$
7	$49x^2$	49

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

	$-8x^2$	3
$-8x^2$	$64x^4$	$-24x^2$
3	$-24x^2$	9

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

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

8) $(-1x^2+-6)^2$

	$-1x^2$	-6
$-1x^2$	$1x^4$	$6x^2$
-6	$6x^2$	36

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

	$2x^2$	$7x$
$2x^2$	$4x^4$	$14x^3$
$7x$	$14x^3$	$49x^2$

10) $(1x^2+5x)^2$

	$1x^2$	$5x$
$1x^2$	$1x^4$	$5x^3$
$5x$	$5x^3$	$25x^2$

Answers

1. $16x^4-24x^3+9x^2$

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

3. $16x^2+32x+16$

4. x^2-2x+1

5. $49x^4+98x^2+49$

6. $64x^4-48x^2+9$

7. $64x^4-128x^2+64$

8. x^4+12x^2+36

9. $4x^4+28x^3+49x^2$

10. $x^4+10x^3+25x^2$