



Expand each problem using the box method.

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

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

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

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

5) $(8x^2-8)^2$

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

7) $(1x-8)^2$

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

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

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

Answers

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____



Expand each problem using the box method.

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

	$-5x^2$	2
$-5x^2$	$25x^4$	$-10x^2$
2	$-10x^2$	4

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

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

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

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

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

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

5) $(8x^2-8)^2$

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

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

	$6x^2$	6x
$6x^2$	$36x^4$	$36x^3$
6x	$36x^3$	$36x^2$

7) $(1x-8)^2$

	1x	-8
1x	$1x^2$	$-8x$
-8	$-8x$	64

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

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

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

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

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

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

Answers

1. $25x^4-20x^2+4$

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

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

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

5. $64x^4-128x^2+64$

6. $36x^4+72x^3+36x^2$

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

8. $9x^4-12x^3+4x^2$

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

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