



Expand each problem using the box method.

1) $(-5x+7)^2$

2) $(1x+9)^2$

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

4) $(-8x+7)^2$

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

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

7) $(8x+5)^2$

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

9) $(8x+5)^2$

10) $(-3x+6)^2$

Answers

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____



Expand each problem using the box method.

1) $(-5x+7)^2$

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

2) $(1x+9)^2$

	1x	-9
1x	$1x^2$	$-9x$
-9	$-9x$	81

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

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

4) $(-8x+7)^2$

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

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

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

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

	$-1x^2$	-8
$-1x^2$	$1x^4$	$8x^2$
-8	$8x^2$	64

7) $(8x+5)^2$

	8x	5
8x	$64x^2$	$40x$
5	$40x$	25

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

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

9) $(8x+5)^2$

	8x	-5
8x	$64x^2$	$-40x$
-5	$-40x$	25

10) $(-3x+6)^2$

	-3x	6
-3x	$9x^2$	$-18x$
6	$-18x$	36

Answers

1. $25x^2+70x+49$

2. $x^2-18x+81$

3. $16x^2+8x+1$

4. $64x^2+112x+49$

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

6. x^4+16x^2+64

7. $64x^2+80x+25$

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

9. $64x^2-80x+25$

10. $9x^2-36x+36$