



Expand each problem using the box method.

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

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

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

4) $(8x^2+9)^2$

5) $(8x+6)^2$

6) $(-7x+-2)^2$

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

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

9) $(-4x^2+7)^2$

10) $(7x+-8)^2$

Answers

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____



Expand each problem using the box method.

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

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

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

	$5x^2$	5
$5x^2$	$25x^4$	$25x^2$
5	$25x^2$	25

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

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

4) $(8x^2+9)^2$

	$8x^2$	9
$8x^2$	$64x^4$	$72x^2$
9	$72x^2$	81

5) $(8x+6)^2$

	$8x$	6
$8x$	$64x^2$	$48x$
6	$48x$	36

6) $(-7x+-2)^2$

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

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

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

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

	$1x^2$	-7
$1x^2$	$1x^4$	$-7x^2$
-7	$-7x^2$	49

9) $(-4x^2+7)^2$

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

10) $(7x+-8)^2$

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

Answers

1. $49x^4-28x^3+4x^2$

2. $25x^4+50x^2+25$

3. $64x^4-128x^3+64x^2$

4. $64x^4+144x^2+81$

5. $64x^2+96x+36$

6. $49x^2+28x+4$

7. $4x^2+16x+16$

8. x^4-14x^2+49

9. $16x^4-56x^2+49$

10. $49x^2-112x+64$