



Expand each problem using the box method.

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

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

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

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

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

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

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

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

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

10) $(4x^2+1x)^2$

Answers

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____



Expand each problem using the box method.

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

	$9x^2$	2
$9x^2$	$81x^4$	$18x^2$
2	$18x^2$	4

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

	$-5x^2$	$-7x$
$-5x^2$	$25x^4$	$35x^3$
$-7x$	$35x^3$	$49x^2$

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

	$-4x^2$	$-1x$
$-4x^2$	$16x^4$	$4x^3$
$-1x$	$4x^3$	$1x^2$

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

	$-7x$	-9
$-7x$	$49x^2$	$63x$
-9	$63x$	81

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

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

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

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

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

	$7x^2$	6
$7x^2$	$49x^4$	$42x^2$
6	$42x^2$	36

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

	$7x$	3
$7x$	$49x^2$	$21x$
3	$21x$	9

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

	$7x^2$	3
$7x^2$	$49x^4$	$21x^2$
3	$21x^2$	9

10) $(4x^2+1x)^2$

	$4x^2$	$1x$
$4x^2$	$16x^4$	$4x^3$
$1x$	$4x^3$	$1x^2$

Answers

1. $81x^4+36x^2+4$

2. $25x^4+70x^3+49x^2$

3. $16x^4+8x^3x^2$

4. $49x^2+126x+81$

5. $64x^4-144x^2+81$

6. $64x^2-80x+25$

7. $49x^4+84x^2+36$

8. $49x^2+42x+9$

9. $49x^4+42x^2+9$

10. $16x^4+8x^3x^2$