



Expand each problem using the box method.

1) $(7x^2+3)^2$

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

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

4) $(6x-8)^2$

5) $(6x^2+9)^2$

6) $(-4x+7)^2$

7) $(8x-6)^2$

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

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

10) $(-9x-5)^2$

Answers

- 1. _____
- 2. _____
- 3. _____
- 4. _____
- 5. _____
- 6. _____
- 7. _____
- 8. _____
- 9. _____
- 10. _____



Expand each problem using the box method.

1) $(7x^2+3)^2$

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

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

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

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

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

4) $(6x-8)^2$

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

5) $(6x^2+9)^2$

	$6x^2$	9
$6x^2$	$36x^4$	$54x^2$
9	$54x^2$	81

6) $(-4x+7)^2$

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

7) $(8x-6)^2$

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

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

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

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

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

10) $(-9x-5)^2$

	$-9x$	-5
$-9x$	$81x^2$	$45x$
-5	$45x$	25

Answers

1. $49x^4+42x^2+9$

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

3. $49x^4-42x^2+9$

4. $36x^2-96x+64$

5. $36x^4+108x^2+81$

6. $16x^2-56x+49$

7. $64x^2-96x+36$

8. $49x^4+70x^2+25$

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

10. $81x^2+90x+25$