



Expand each problem using the box method.

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

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

3) $(7x^2-4x)^2$

4) $(6x^2+9x)^2$

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

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

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

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

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

10) $(8x^2-9)^2$

Answers

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



Expand each problem using the box method.

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

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

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

	$-3x^2$	$6x$
$-3x^2$	$9x^4$	$-18x^3$
$6x$	$-18x^3$	$36x^2$

3) $(7x^2-4x)^2$

	$7x^2$	$-4x$
$7x^2$	$49x^4$	$-28x^3$
$-4x$	$-28x^3$	$16x^2$

4) $(6x^2+9x)^2$

	$6x^2$	$9x$
$6x^2$	$36x^4$	$54x^3$
$9x$	$54x^3$	$81x^2$

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

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

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

	$-6x$	-4
$-6x$	$36x^2$	$24x$
-4	$24x$	16

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

	$4x^2$	$-8x$
$4x^2$	$16x^4$	$-32x^3$
$-8x$	$-32x^3$	$64x^2$

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

	$3x^2$	-8
$3x^2$	$9x^4$	$-24x^2$
-8	$-24x^2$	64

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

	$3x^2$	$3x$
$3x^2$	$9x^4$	$9x^3$
$3x$	$9x^3$	$9x^2$

10) $(8x^2-9)^2$

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

Answers

- $4x^4-20x^2+25$
- $9x^4-36x^3+36x^2$
- $49x^4-56x^3+16x^2$
- $36x^4+108x^3+81x^2$
- $36x^2-96x+64$
- $36x^2+48x+16$
- $16x^4-64x^3+64x^2$
- $9x^4-48x^2+64$
- $9x^4+18x^3+9x^2$
- $64x^4-144x^2+81$