



Expand each problem using the box method.

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

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

3) $(-6x^2-8x)^2$

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

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

6) $(7x^2+5x)^2$

7) $(-6x+5)^2$

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

9) $(4x^2-5x)^2$

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

Answers

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



Expand each problem using the box method.

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

	$4x^2$	-5
$4x^2$	$16x^4$	$-20x^2$
-5	$-20x^2$	25

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

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

3) $(-6x^2-8x)^2$

	$-6x^2$	$-8x$
$-6x^2$	$36x^4$	$48x^3$
$-8x$	$48x^3$	$64x^2$

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

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

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

	$-5x^2$	$5x$
$-5x^2$	$25x^4$	$-25x^3$
$5x$	$-25x^3$	$25x^2$

6) $(7x^2+5x)^2$

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

7) $(-6x+5)^2$

	$-6x$	5
$-6x$	$36x^2$	$-30x$
5	$-30x$	25

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

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

9) $(4x^2-5x)^2$

	$4x^2$	$-5x$
$4x^2$	$16x^4$	$-20x^3$
$-5x$	$-20x^3$	$25x^2$

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

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

Answers

1. $16x^4-40x^2+25$

2. $16x^2+64x+64$

3. $36x^4+96x^3+64x^2$

4. $49x^4+98x^2+49$

5. $25x^4-50x^3+25x^2$

6. $49x^4+70x^3+25x^2$

7. $36x^2-60x+25$

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

9. $16x^4-40x^3+25x^2$

10. $4x^4-28x^3+49x^2$