



Expand each problem using the box method.

1) $(-3x^2+-6)^2$

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

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

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

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

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

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

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

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

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

Answers

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



Expand each problem using the box method.

1) $(-3x^2 + -6)^2$

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

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

	$2x^2$	$-2x$
$2x^2$	$4x^4$	$-4x^3$
$-2x$	$-4x^3$	$4x^2$

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

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

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

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

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

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

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

	$-5x^2$	$2x$
$-5x^2$	$25x^4$	$-10x^3$
$2x$	$-10x^3$	$4x^2$

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

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

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

	$-8x^2$	$-7x$
$-8x^2$	$64x^4$	$56x^3$
$-7x$	$56x^3$	$49x^2$

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

	$6x^2$	$-4x$
$6x^2$	$36x^4$	$-24x^3$
$-4x$	$-24x^3$	$16x^2$

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

	$7x^2$	$8x$
$7x^2$	$49x^4$	$56x^3$
$8x$	$56x^3$	$64x^2$

Answers

1. $9x^4 + 36x^2 + 36$

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

3. $64x^2 + 32x + 4$

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

5. $49x^2 - 70x + 25$

6. $25x^4 - 20x^3 + 4x^2$

7. $81x^4 + 36x^2 + 4$

8. $64x^4 + 112x^3 + 49x^2$

9. $36x^4 - 48x^3 + 16x^2$

10. $49x^4 + 112x^3 + 64x^2$