



Expand each problem using the box method.

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

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

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

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

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

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

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

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

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

10)  $(-3x^2 + -1)^2$

Answers

1. \_\_\_\_\_

2. \_\_\_\_\_

3. \_\_\_\_\_

4. \_\_\_\_\_

5. \_\_\_\_\_

6. \_\_\_\_\_

7. \_\_\_\_\_

8. \_\_\_\_\_

9. \_\_\_\_\_

10. \_\_\_\_\_



Expand each problem using the box method.

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

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

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

	$-4x^2$	$-9$
$-4x^2$	$16x^4$	$36x^2$
$-9$	$36x^2$	$81$

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

	$-6x^2$	$-2$
$-6x^2$	$36x^4$	$12x^2$
$-2$	$12x^2$	$4$

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

	$9x^2$	$7x$
$9x^2$	$81x^4$	$63x^3$
$7x$	$63x^3$	$49x^2$

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

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

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

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

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

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

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

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

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

	$-5x^2$	$6$
$-5x^2$	$25x^4$	$-30x^2$
$6$	$-30x^2$	$36$

10)  $(-3x^2 + -1)^2$

	$-3x^2$	$-1$
$-3x^2$	$9x^4$	$3x^2$
$-1$	$3x^2$	$1$

Answers

1.  $9x^4 - 42x^3 + 49x^2$

2.  $16x^4 + 72x^2 + 81$

3.  $36x^4 + 24x^2 + 4$

4.  $81x^4 + 126x^3 + 49x^2$

5.  $25x^2 + 90x + 81$

6.  $4x^2 + 8x + 4$

7.  $25x^4 - 20x^3 + 4x^2$

8.  $36x^4 + 96x^3 + 64x^2$

9.  $25x^4 - 60x^2 + 36$

10.  $9x^4 + 6x^2 + 1$