



Expand each problem using the box method.

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

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

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

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

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

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

7) $(-8x-3)^2$

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

9) $(-6x+7)^2$

10) $(8x-4)^2$

Answers

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



Expand each problem using the box method.

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

	$-4x^2$	4
$-4x^2$	$16x^4$	$-16x^2$
4	$-16x^2$	16

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

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

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

	$-4x^2$	-3
$-4x^2$	$16x^4$	$12x^2$
-3	$12x^2$	9

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

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

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

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

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

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

7) $(-8x-3)^2$

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

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

	$-6x$	6
$-6x$	$36x^2$	$-36x$
6	$-36x$	36

9) $(-6x+7)^2$

	$-6x$	7
$-6x$	$36x^2$	$-42x$
7	$-42x$	49

10) $(8x-4)^2$

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

Answers

1. $16x^4-32x^2+16$

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

3. $16x^4+24x^2+9$

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

5. $16x^4-16x^3+4x^2$

6. $25x^4-60x^2+36$

7. $64x^2+48x+9$

8. $36x^2-72x+36$

9. $36x^2-84x+49$

10. $64x^2-64x+16$