



Expand each problem using the box method.

1) $(-5x-7)^2$

2) $(8x+5)^2$

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

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

5) $(-5x^2+3x)^2$

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

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

8) $(7x^2-9)^2$

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

10) $(-8x^2+6x)^2$

Answers

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____



Expand each problem using the box method.

1) $(-5x-7)^2$

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

2) $(8x+5)^2$

	8x	5
8x	$64x^2$	$40x$
5	$40x$	25

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

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

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

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

5) $(-5x^2+3x)^2$

	$-5x^2$	3x
$-5x^2$	$25x^4$	$-15x^3$
3x	$-15x^3$	$9x^2$

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

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

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

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

8) $(7x^2-9)^2$

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

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

	9x	-9
9x	$81x^2$	$-81x$
-9	$-81x$	81

10) $(-8x^2+6x)^2$

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

Answers

1. $25x^2+70x+49$

2. $64x^2+80x+25$

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

4. $81x^2-90x+25$

5. $25x^4-30x^3+9x^2$

6. $4x^4-16x^2+16$

7. $16x^2+24x+9$

8. $49x^4-126x^2+81$

9. $81x^2-162x+81$

10. $64x^4-96x^3+36x^2$