



Expanda cada problema usando el método de caja.

**Respuestas**

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

2)  $(-7x^2 + -2x + -4)(5x^2 + -9x)$

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

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

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

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

3)  $(-8x^2 + -5x)(-8x^2 + 8x + 4)$

4)  $(-4x^2 + 3x)(8x^2 + -5x + 9)$

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

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

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

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

5)  $(-1x^2 + -2x)(-1x^2 + 8x + 6)$

6)  $(1x^2 + -2x)(-4x^2 + -7x)$

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

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

7)  $(2x^2 + 7x + -1)(1x^2 + -2x + -4)$

8)  $(-7x^2 + -4x + -3)(1x^2 + 8x + -7)$

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

10)  $(4x^2 + -7x + -3)(6x^2 + 7x + -8)$



Expanda cada problema usando el método de caja.

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

|         |         |         |
|---------|---------|---------|
|         | $-1x^2$ | $-1x$   |
| $-7x^2$ | $7x^4$  | $7x^3$  |
| $2x$    | $-2x^3$ | $-2x^2$ |
| $-5$    | $5x^2$  | $5x$    |

2)  $(-7x^2 + -2x + -4)(5x^2 + -9x)$

|        |          |          |          |
|--------|----------|----------|----------|
|        | $-7x^2$  | $-2x$    | $-4$     |
| $5x^2$ | $-35x^4$ | $-10x^3$ | $-20x^2$ |
| $-9x$  | $63x^3$  | $18x^2$  | $36x$    |

3)  $(-8x^2 + -5x)(-8x^2 + 8x + 4)$

|         |          |          |
|---------|----------|----------|
|         | $-8x^2$  | $-5x$    |
| $-8x^2$ | $64x^4$  | $40x^3$  |
| $8x$    | $-64x^3$ | $-40x^2$ |
| $4$     | $-32x^2$ | $-20x$   |

4)  $(-4x^2 + 3x)(8x^2 + -5x + 9)$

|        |          |          |
|--------|----------|----------|
|        | $-4x^2$  | $3x$     |
| $8x^2$ | $-32x^4$ | $24x^3$  |
| $-5x$  | $20x^3$  | $-15x^2$ |
| $9$    | $-36x^2$ | $27x$    |

5)  $(-1x^2 + -2x)(-1x^2 + 8x + 6)$

|         |         |          |
|---------|---------|----------|
|         | $-1x^2$ | $-2x$    |
| $-1x^2$ | $1x^4$  | $2x^3$   |
| $8x$    | $-8x^3$ | $-16x^2$ |
| $6$     | $-6x^2$ | $-12x$   |

6)  $(1x^2 + -2x)(-4x^2 + -7x)$

|         |         |         |
|---------|---------|---------|
|         | $1x^2$  | $-2x$   |
| $-4x^2$ | $-4x^4$ | $8x^3$  |
| $-7x$   | $-7x^3$ | $14x^2$ |

7)  $(2x^2 + 7x + -1)(1x^2 + -2x + -4)$

|        |         |          |         |
|--------|---------|----------|---------|
|        | $2x^2$  | $7x$     | $-1$    |
| $1x^2$ | $2x^4$  | $7x^3$   | $-1x^2$ |
| $-2x$  | $-4x^3$ | $-14x^2$ | $2x$    |
| $-4$   | $-8x^2$ | $-28x$   | $4$     |

8)  $(-7x^2 + -4x + -3)(1x^2 + 8x + -7)$

|        |          |          |         |
|--------|----------|----------|---------|
|        | $-7x^2$  | $-4x$    | $-3$    |
| $1x^2$ | $-7x^4$  | $-4x^3$  | $-3x^2$ |
| $8x$   | $-56x^3$ | $-32x^2$ | $-24x$  |
| $-7$   | $49x^2$  | $28x$    | $21$    |

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

|         |         |          |
|---------|---------|----------|
|         | $-9x^2$ | $4x$     |
| $-4x^2$ | $36x^4$ | $-16x^3$ |
| $-5x$   | $45x^3$ | $-20x^2$ |

10)  $(4x^2 + -7x + -3)(6x^2 + 7x + -8)$

|        |          |          |          |
|--------|----------|----------|----------|
|        | $4x^2$   | $-7x$    | $-3$     |
| $6x^2$ | $24x^4$  | $-42x^3$ | $-18x^2$ |
| $7x$   | $28x^3$  | $-49x^2$ | $-21x$   |
| $-8$   | $-32x^2$ | $56x$    | $24$     |

## Respuestas

1.  $7x^4 + 5x^3 + 3x^2 + 5x$

2.  $-35x^4 + 53x^3 - 2x^2 + 36x$

3.  $64x^4 - 24x^3 - 72x^2 - 20x$

4.  $-32x^4 + 44x^3 - 51x^2 + 27x$

5.  $x^4 - 6x^3 - 22x^2 - 12x$

6.  $-4x^4x^3 + 14x^2$

7.  $2x^4 + 3x^3 - 23x^2 - 26x + 4$

8.  $-7x^4 - 60x^3 + 14x^2 + 4x + 21$

9.  $36x^4 + 29x^3 - 20x^2$

10.  $24x^4 - 14x^3 - 99x^2 + 35x + 24$