



Раскройте каждую проблему, используя метод коробки.

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

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

3)  $(-2x^2+6x+3)(-2x^2+7x)$

4)  $(-1x^2+-3x+5)(-8x^2+-4x)$

5)  $(-9x^2+-3x)(8x^2+-4x+-7)$

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

7)  $(-9x^2+6x+5)(1x^2+-3x)$

8)  $(-8x^2+-6x+2)(7x^2+9x)$

9)  $(3x^2+-1x+-9)(-9x^2+-3x)$

10)  $(-8x^2+6x)(-2x^2+-5x)$

ОТВЕТЫ

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

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

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

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

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

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

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

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

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

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



Раскройте каждую проблему, используя метод коробки.

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

|         |          |          |         |
|---------|----------|----------|---------|
|         | $8x^2$   | $8x$     | $-3$    |
| $-7x^2$ | $-56x^4$ | $-56x^3$ | $21x^2$ |
| $2x$    | $16x^3$  | $16x^2$  | $-6x$   |

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

|         |          |          |
|---------|----------|----------|
|         | $2x^2$   | $4x$     |
| $-7x^2$ | $-14x^4$ | $-28x^3$ |
| $9x$    | $18x^3$  | $36x^2$  |

3)  $(-2x^2+6x+3)(-2x^2+7x)$

|         |          |          |         |
|---------|----------|----------|---------|
|         | $-2x^2$  | $6x$     | $3$     |
| $-2x^2$ | $4x^4$   | $-12x^3$ | $-6x^2$ |
| $7x$    | $-14x^3$ | $42x^2$  | $21x$   |

4)  $(-1x^2+3x+5)(-8x^2+4x)$

|         |         |         |          |
|---------|---------|---------|----------|
|         | $-1x^2$ | $-3x$   | $5$      |
| $-8x^2$ | $8x^4$  | $24x^3$ | $-40x^2$ |
| $-4x$   | $4x^3$  | $12x^2$ | $-20x$   |

5)  $(-9x^2+3x)(8x^2+4x+7)$

|        |          |          |
|--------|----------|----------|
|        | $-9x^2$  | $-3x$    |
| $8x^2$ | $-72x^4$ | $-24x^3$ |
| $-4x$  | $36x^3$  | $12x^2$  |
| $-7$   | $63x^2$  | $21x$    |

6)  $(3x^2+6x)(4x^2+6x+8)$

|        |          |          |
|--------|----------|----------|
|        | $3x^2$   | $6x$     |
| $4x^2$ | $12x^4$  | $24x^3$  |
| $-6x$  | $-18x^3$ | $-36x^2$ |
| $8$    | $24x^2$  | $48x$    |

7)  $(-9x^2+6x+5)(1x^2+3x)$

|        |         |          |        |
|--------|---------|----------|--------|
|        | $-9x^2$ | $6x$     | $5$    |
| $1x^2$ | $-9x^4$ | $6x^3$   | $5x^2$ |
| $-3x$  | $27x^3$ | $-18x^2$ | $-15x$ |

8)  $(-8x^2+6x+2)(7x^2+9x)$

|        |          |          |         |
|--------|----------|----------|---------|
|        | $-8x^2$  | $-6x$    | $2$     |
| $7x^2$ | $-56x^4$ | $-42x^3$ | $14x^2$ |
| $9x$   | $-72x^3$ | $-54x^2$ | $18x$   |

9)  $(3x^2+1x+9)(-9x^2+3x)$

|         |          |        |         |
|---------|----------|--------|---------|
|         | $3x^2$   | $-1x$  | $-9$    |
| $-9x^2$ | $-27x^4$ | $9x^3$ | $81x^2$ |
| $-3x$   | $-9x^3$  | $3x^2$ | $27x$   |

10)  $(-8x^2+6x)(-2x^2+5x)$

|         |         |          |
|---------|---------|----------|
|         | $-8x^2$ | $6x$     |
| $-2x^2$ | $16x^4$ | $-12x^3$ |
| $-5x$   | $40x^3$ | $-30x^2$ |

**ОТВЕТЫ**

1.  $-56x^4-40x^3+37x^2-6x$

2.  $-14x^4-10x^3+36x^2$

3.  $4x^4-26x^3+36x^2+21x$

4.  $8x^4+28x^3-28x^2-20x$

5.  $-72x^4+12x^3+75x^2+21x$

6.  $12x^4+6x^3-12x^2+48x$

7.  $-9x^4+33x^3-13x^2-15x$

8.  $-56x^4-114x^3-40x^2+18x$

9.  $-27x^4+30x^3+84x^2+27x$

10.  $16x^4+28x^3-30x^2$