



Раскройте каждую проблему, используя метод коробки.

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

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

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

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

5) $(6x + 7)^2$

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

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

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

9) $(5x^2 + 3)^2$

10) $(7x^2 + 3x)^2$

Ответы

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____



Раскройте каждую проблему, используя метод коробки.

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

| | | |
|---------|---------|---------|
| | $-6x^2$ | -4 |
| $-6x^2$ | $36x^4$ | $24x^2$ |
| -4 | $24x^2$ | 16 |

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

| | | |
|---------|---------|--------|
| | $-1x^2$ | -4 |
| $-1x^2$ | $1x^4$ | $4x^2$ |
| -4 | $4x^2$ | 16 |

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

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

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

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

5) $(6x + 7)^2$

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

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

| | | |
|---------|---------|---------|
| | $-1x^2$ | $8x$ |
| $-1x^2$ | $1x^4$ | $-8x^3$ |
| $8x$ | $-8x^3$ | $64x^2$ |

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

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

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

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

9) $(5x^2 + 3)^2$

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

10) $(7x^2 + 3x)^2$

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

ОТВЕТЫ

1. $36x^4 + 48x^2 + 16$

2. $x^4 + 8x^2 + 16$

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

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

5. $36x^2 + 84x + 49$

6. $x^4 - 16x^3 + 64x^2$

7. $49x^2 - 42x + 9$

8. $25x^4 + 20x^2 + 4$

9. $25x^4 + 30x^2 + 9$

10. $49x^4 + 42x^3 + 9x^2$



Раскройте каждую проблему, используя метод коробки.

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

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

3) $(7x+-9)^2$

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

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

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

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

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

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

10) $(-4x^2+-9)^2$

Ответы

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____



Раскройте каждую проблему, используя метод коробки.

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

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

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

| | | |
|---------|----------|----------|
| | $-9x^2$ | $5x$ |
| $-9x^2$ | $81x^4$ | $-45x^3$ |
| $5x$ | $-45x^3$ | $25x^2$ |

3) $(7x+-9)^2$

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

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

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

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

| | | |
|--------|----------|----------|
| | $8x^2$ | $-2x$ |
| $8x^2$ | $64x^4$ | $-16x^3$ |
| $-2x$ | $-16x^3$ | $4x^2$ |

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

| | | |
|---------|----------|----------|
| | $-2x^2$ | 9 |
| $-2x^2$ | $4x^4$ | $-18x^2$ |
| 9 | $-18x^2$ | 81 |

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

| | | |
|--------|---------|---------|
| | $1x^2$ | -2 |
| $1x^2$ | $1x^4$ | $-2x^2$ |
| -2 | $-2x^2$ | 4 |

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

| | | |
|---------|---------|---------|
| | $-5x^2$ | 1 |
| $-5x^2$ | $25x^4$ | $-5x^2$ |
| 1 | $-5x^2$ | 1 |

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

| | | |
|-------|--------|-------|
| | $-2x$ | 1 |
| $-2x$ | $4x^2$ | $-2x$ |
| 1 | $-2x$ | 1 |

10) $(-4x^2+-9)^2$

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

ОТВЕТЫ

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

2. $81x^4-90x^3+25x^2$

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

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

5. $64x^4-32x^3+4x^2$

6. $4x^4-36x^2+81$

7. x^4-4x^2+4

8. $25x^4-10x^2+1$

9. $4x^2-4x+1$

10. $16x^4+72x^2+81$



Раскройте каждую проблему, используя метод коробки.

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

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

3) $(6x^2+9x)^2$

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

5) $(-7x^2+6)^2$

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

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

8) $(2x+9)^2$

9) $(7x^2+1x)^2$

10) $(8x+3)^2$

Отвeты

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____



Раскройте каждую проблему, используя метод коробки.

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

| | | |
|--------|----------|----------|
| | $3x^2$ | -8 |
| $3x^2$ | $9x^4$ | $-24x^2$ |
| -8 | $-24x^2$ | 64 |

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

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

3) $(6x^2+9x)^2$

| | | |
|--------|---------|---------|
| | $6x^2$ | $9x$ |
| $6x^2$ | $36x^4$ | $54x^3$ |
| $9x$ | $54x^3$ | $81x^2$ |

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

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

5) $(-7x^2+6)^2$

| | | |
|---------|---------|---------|
| | $-7x^2$ | -6 |
| $-7x^2$ | $49x^4$ | $42x^2$ |
| -6 | $42x^2$ | 36 |

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

| | | |
|------|---------|-------|
| | $5x$ | 5 |
| $5x$ | $25x^2$ | $25x$ |
| 5 | $25x$ | 25 |

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

| | | |
|---------|----------|----------|
| | $-8x^2$ | $4x$ |
| $-8x^2$ | $64x^4$ | $-32x^3$ |
| $4x$ | $-32x^3$ | $16x^2$ |

8) $(2x+9)^2$

| | | |
|------|--------|--------|
| | $2x$ | -9 |
| $2x$ | $4x^2$ | $-18x$ |
| -9 | $-18x$ | 81 |

9) $(7x^2+1x)^2$

| | | |
|--------|---------|--------|
| | $7x^2$ | $1x$ |
| $7x^2$ | $49x^4$ | $7x^3$ |
| $1x$ | $7x^3$ | $1x^2$ |

10) $(8x+3)^2$

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

ОТВЕТЫ

1. $9x^4-48x^2+64$

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

3. $36x^4+108x^3+81x^2$

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

5. $49x^4+84x^2+36$

6. $25x^2+50x+25$

7. $64x^4-64x^3+16x^2$

8. $4x^2-36x+81$

9. $49x^4+14x^3x^2$

10. $64x^2-48x+9$



Раскройте каждую проблему, используя метод коробки.

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

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

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

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

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

6) $(9x^2+-1)^2$

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

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

9) $(1x+8)^2$

10) $(8x^2+9x)^2$

Ответы

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____



Раскройте каждую проблему, используя метод коробки.

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

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

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

| | | |
|-------|---------|--------|
| | $-6x$ | 9 |
| $-6x$ | $36x^2$ | $-54x$ |
| 9 | $-54x$ | 81 |

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

| | | |
|--------|---------|---------|
| | $8x^2$ | $8x$ |
| $8x^2$ | $64x^4$ | $64x^3$ |
| $8x$ | $64x^3$ | $64x^2$ |

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

| | | |
|---------|---------|--------|
| | $-1x^2$ | -1 |
| $-1x^2$ | $1x^4$ | $1x^2$ |
| -1 | $1x^2$ | 1 |

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

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

6) $(9x^2+-1)^2$

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

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

| | | |
|---------|---------|--------|
| | $-8x^2$ | -1 |
| $-8x^2$ | $64x^4$ | $8x^2$ |
| -1 | $8x^2$ | 1 |

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

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

9) $(1x+8)^2$

| | | |
|------|--------|------|
| | $1x$ | 8 |
| $1x$ | $1x^2$ | $8x$ |
| 8 | $8x$ | 64 |

10) $(8x^2+9x)^2$

| | | |
|--------|---------|---------|
| | $8x^2$ | $9x$ |
| $8x^2$ | $64x^4$ | $72x^3$ |
| $9x$ | $72x^3$ | $81x^2$ |

ОТВЕТЫ

1. $4x^4 - 24x^2 + 36$
2. $36x^2 - 108x + 81$
3. $64x^4 + 128x^3 + 64x^2$
4. $x^4 + 2x^2 + 1$
5. $64x^2 + 32x + 4$
6. $81x^4 - 18x^2 + 1$
7. $64x^4 + 16x^2 + 1$
8. $4x^4 + 16x^3 + 16x^2$
9. $x^2 + 16x + 64$
10. $64x^4 + 144x^3 + 81x^2$



Раскройте каждую проблему, используя метод коробки.

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

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

3) $(9x^2 + -6)^2$

4) $(3x + 1)^2$

5) $(-4x^2 + -6)^2$

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

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

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

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

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

Отвeты

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____



Раскройте каждую проблему, используя метод коробки.

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

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

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

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

3) $(9x^2 + -6)^2$

| | | |
|--------|----------|----------|
| | $9x^2$ | -6 |
| $9x^2$ | $81x^4$ | $-54x^2$ |
| -6 | $-54x^2$ | 36 |

4) $(3x+1)^2$

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

5) $(-4x^2 + -6)^2$

| | | |
|---------|---------|---------|
| | $-4x^2$ | -6 |
| $-4x^2$ | $16x^4$ | $24x^2$ |
| -6 | $24x^2$ | 36 |

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

| | | |
|--------|---------|---------|
| | $7x^2$ | 7 |
| $7x^2$ | $49x^4$ | $49x^2$ |
| 7 | $49x^2$ | 49 |

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

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

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

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

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

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

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

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

ОТВЕТЫ

1. $x^4 - 4x^3 + 4x^2$

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

3. $81x^4 - 108x^2 + 36$

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

5. $16x^4 + 48x^2 + 36$

6. $49x^4 + 98x^2 + 49$

7. $16x^4 + 32x^3 + 16x^2$

8. $64x^2 + 80x + 25$

9. $4x^4 - 24x^2 + 36$

10. $16x^4 - 32x^2 + 16$



Раскройте каждую проблему, используя метод коробки.

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

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

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

4) $(8x^2+9)^2$

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

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

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

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

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

10) $(7x+8)^2$

Ответы

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____



Раскройте каждую проблему, используя метод коробки.

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

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

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

| | | |
|--------|---------|---------|
| | $5x^2$ | 5 |
| $5x^2$ | $25x^4$ | $25x^2$ |
| 5 | $25x^2$ | 25 |

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

| | | |
|---------|----------|----------|
| | $-8x^2$ | $8x$ |
| $-8x^2$ | $64x^4$ | $-64x^3$ |
| $8x$ | $-64x^3$ | $64x^2$ |

4) $(8x^2+9)^2$

| | | |
|--------|---------|---------|
| | $8x^2$ | 9 |
| $8x^2$ | $64x^4$ | $72x^2$ |
| 9 | $72x^2$ | 81 |

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

| | | |
|------|---------|-------|
| | $8x$ | 6 |
| $8x$ | $64x^2$ | $48x$ |
| 6 | $48x$ | 36 |

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

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

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

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

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

| | | |
|--------|---------|---------|
| | $1x^2$ | -7 |
| $1x^2$ | $1x^4$ | $-7x^2$ |
| -7 | $-7x^2$ | 49 |

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

| | | |
|---------|----------|----------|
| | $-4x^2$ | 7 |
| $-4x^2$ | $16x^4$ | $-28x^2$ |
| 7 | $-28x^2$ | 49 |

10) $(7x+8)^2$

| | | |
|------|---------|--------|
| | $7x$ | -8 |
| $7x$ | $49x^2$ | $-56x$ |
| -8 | $-56x$ | 64 |

ОТВЕТЫ

1. $49x^4-28x^3+4x^2$
2. $25x^4+50x^2+25$
3. $64x^4-128x^3+64x^2$
4. $64x^4+144x^2+81$
5. $64x^2+96x+36$
6. $49x^2+28x+4$
7. $4x^2+16x+16$
8. x^4-14x^2+49
9. $16x^4-56x^2+49$
10. $49x^2-112x+64$



Раскройте каждую проблему, используя метод коробки.

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

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

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

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

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

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

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

8) $(9x+3)^2$

9) $(-3x+7)^2$

10) $(-5x+4)^2$

Отвeты

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____



Раскройте каждую проблему, используя метод коробки.

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

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

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

| | | |
|-----------|-----------|----------|
| | 9x | 1 |
| 9x | $81x^2$ | $9x$ |
| 1 | $9x$ | 1 |

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

| | | |
|-----------|-----------|-----------|
| | 7x | -1 |
| 7x | $49x^2$ | $-7x$ |
| -1 | $-7x$ | 1 |

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

| | | |
|------------|------------|----------|
| | -4x | 7 |
| -4x | $16x^2$ | $-28x$ |
| 7 | $-28x$ | 49 |

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

| | | |
|------------|------------|-----------|
| | -4x | -7 |
| -4x | $16x^2$ | $28x$ |
| -7 | $28x$ | 49 |

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

| | | |
|-----------------------|-----------------------|------------|
| | 4x² | -6x |
| 4x² | $16x^4$ | $-24x^3$ |
| -6x | $-24x^3$ | $36x^2$ |

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

| | | |
|------------|------------|-----------|
| | -3x | -6 |
| -3x | $9x^2$ | $18x$ |
| -6 | $18x$ | 36 |

8) $(9x+3)^2$

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

9) $(-3x+7)^2$

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

10) $(-5x+4)^2$

| | | |
|------------|------------|-----------|
| | -5x | -4 |
| -5x | $25x^2$ | $20x$ |
| -4 | $20x$ | 16 |

ОТВЕТЫ

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

2. $81x^2+18x+1$

3. $49x^2-14x+1$

4. $16x^2-56x+49$

5. $16x^2+56x+49$

6. $16x^4-48x^3+36x^2$

7. $9x^2+36x+36$

8. $81x^2+54x+9$

9. $9x^2+42x+49$

10. $25x^2+40x+16$



Раскройте каждую проблему, используя метод коробки.

1) $(2x^2+6)^2$

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

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

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

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

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

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

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

9) $(6x+4)^2$

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

Отвeты

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____



Раскройте каждую проблему, используя метод коробки.

1) $(2x^2+6)^2$

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

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

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

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

| | | |
|-------|---------|--------|
| | $-4x$ | 6 |
| $-4x$ | $16x^2$ | $-24x$ |
| 6 | $-24x$ | 36 |

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

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

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

| | | |
|---------|---------|---------|
| | $-5x^2$ | $-4x$ |
| $-5x^2$ | $25x^4$ | $20x^3$ |
| $-4x$ | $20x^3$ | $16x^2$ |

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

| | | |
|------|---------|--------|
| | $6x$ | -3 |
| $6x$ | $36x^2$ | $-18x$ |
| -3 | $-18x$ | 9 |

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

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

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

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

9) $(6x+-4)^2$

| | | |
|------|---------|--------|
| | $6x$ | -4 |
| $6x$ | $36x^2$ | $-24x$ |
| -4 | $-24x$ | 16 |

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

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

ОТВЕТЫ

1. $4x^4+24x^2+36$

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

3. $16x^2-48x+36$

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

5. $25x^4+40x^3+16x^2$

6. $36x^2-36x+9$

7. $49x^4+70x^2+25$

8. $16x^4-24x^2+9$

9. $36x^2-48x+16$

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



Раскройте каждую проблему, используя метод коробки.

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

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

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

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

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

6) $(4x^2+5x)^2$

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

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

9) $(-1x+4)^2$

10) $(-3x+8)^2$

Ответы

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____



Раскройте каждую проблему, используя метод коробки.

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

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

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

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

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

| | | |
|-------------------------|-------------------------|-----------|
| | $-4x$ | -6 |
| $-4x$ | $16x^2$ | $24x$ |
| -6 | $24x$ | 36 |

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

| | | |
|---------------------------|---------------------------|-----------|
| | $-8x^2$ | 9x |
| $-8x^2$ | $64x^4$ | $-72x^3$ |
| 9x | $-72x^3$ | $81x^2$ |

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

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

6) $(4x^2+5x)^2$

| | | |
|--------------------------|--------------------------|-------------------------|
| | $4x^2$ | $-5x$ |
| $4x^2$ | $16x^4$ | $-20x^3$ |
| $-5x$ | $-20x^3$ | $25x^2$ |

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

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

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

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

9) $(-1x+4)^2$

| | | |
|-------------------------|-------------------------|-----------|
| | $-1x$ | -4 |
| $-1x$ | $1x^2$ | $4x$ |
| -4 | $4x$ | 16 |

10) $(-3x+8)^2$

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

ОТВЕТЫ

1. $9x^2+54x+81$

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

3. $16x^2+48x+36$

4. $64x^4-144x^3+81x^2$

5. $49x^4+70x^2+25$

6. $16x^4-40x^3+25x^2$

7. $49x^4+28x^3+4x^2$

8. $81x^4-162x^3+81x^2$

9. $x^2+8x+16$

10. $9x^2-48x+64$



Раскройте каждую проблему, используя метод коробки.

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

Ответы

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____



Раскройте каждую проблему, используя метод коробки.

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 |

ОТВЕТЫ

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