

1

4.

= 2 + 1, D(y) = R.

/ = 2 + 1

5.

- 1=1²;
- 1+3=2²;
- 1+3+5=3²;
- 1+3+5+7=4².

6.

- =1 : 2+ +41=43 ();
- =2 : 2+ +41=47 ();
- =3 : 2+ +41=53 ().

2+ +41 —

4 5

6

=41

$^{2+} +41$
(1763=41-43).

1763,

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1)

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2)

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3)

$$(ab)^3 = ab \cdot ab \cdot ab = a \cdot \overset{3}{b} \cdot \overset{3}{a} = a^3 \cdot b^3,$$
$$(ab)^4 = ab \cdot ab \cdot ab \cdot ab = a \cdot a \cdot a \cdot a \cdot b \cdot b \cdot b \cdot b = a^4 \cdot b^4.$$

$$(a+b+c+d)^2$$

1.
 $y = \frac{|x|}{x}$
 $= -9; -3, 1; -1; 2; 3; 9, 7.$

> 0 , $= 1.$, < 0 , $= -1,$

$$\frac{|x|}{x} = -1,$$

2. , -
 $2+2$ -
 .

p	2	3	5	7	11
p^2+2	6		27	51	123

: $2+2$ 3. =3,
 -
 .
 $2+2=(2-1)+3=(-1)(+1)+3.$ *3. :
 $+1$ 3. -1, ,
 3, , -1 +1 3, -
 , (-1)(+1) + 3 3.
 , , $2+2,$ — -

3. () -
 $a_n = a_{n-1}! \cdot a_{n-3}.$,
 $a_1=1, a_2=1, a_3=-1. a_{1999}.$
 : $a_1=1, a_2=1, a_3=-1, a_4=-1, a_5=-1, a_6=1,$
 $a_7=-1, a_8=1, a_9=1, a_{10}=-1, a_{11}=-1, a_{12}=-1, a_{13}=1, a_{14}=-1.$
 , $a_{n+7}=a_n.$ -
 :

$$\begin{aligned}
 & +7 = a_{n+4} \cdot a_{n+2} \cdot a_{n+3}^2 \cdot a_{n+1} = a_{n+3} \cdot a_{n+1} \cdot a_{n+2} \cdot a_{n+3}^2 \cdot a_{n+1} \\
 & = a_{n+3}^3 \cdot a_{n+1}^2 \cdot a_{n+2} = a_{n+2}^3 \cdot a_{n+1}^3 \cdot a_{n+2}^2 \cdot a_{n+1} = a_{n+2}^4 \cdot a_{n+1}^2 \cdot a_n = a_n
 \end{aligned}$$



1. ” $\frac{16}{64} = \frac{1}{4}; \frac{19}{95} = \frac{1}{5}; \frac{26}{65} = \frac{2}{5};$
 $\frac{49}{4} = \frac{4}{4}.$

2. ? $4(a+1) = (2a+7)(2a-5).$
 $= -3; -2; 10.$

3. $3 \cdot 7 = 4^2 - 10$
 $= -2; 1; 5.$
 ?

$$a_i = a_3 + d = (a_1 + 2d) + d = a_1 + 3d;$$

$$a_3 = a_i + d = (a_1 + 3d) + d = a_1 + 4d.$$

$$, a_i = a_1 + (n-1)d.$$

)
2; 3; 4; 5?

(*) =1;

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