. . .

1 $\dfrac{\frac{1}{2}+(\frac{1}{2})^2+(\frac{1}{2})^3+\ldots+(\frac{1}{2})}{0.1+0.2+0.3+\ldots+0.}=$

—— $\overline{12}$ $\overline{3\ 4}$ $\dfrac{2}{2}$

2 10%

% % 1 % 10% 130

1000 1 00 2000 2 00 3000

3 1 %

42. % . % $(1-\sqrt{0.\ })\times100\%$ $(1+\sqrt{0.\ })\times100\%$

$(4,3)$ $(-2,-3)$ $(-3,-2)$ $(-2,3)$ $(-4,-3)$

13 $f(x)=x^3+a^2x^2+x-3a$ $x-1$ $a=$

0 1 0 1 2 -1 2 1

14 $x^2+(y-1)^2=4$ x

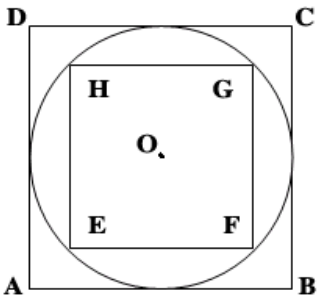
$(-\sqrt{\ },0),(\sqrt{\ },0)$ $(-2,0),(2,0)$ $(0,-\sqrt{\ }),(0,\sqrt{\ })$

$(-\sqrt{3},0),(\sqrt{3},0)$ $(-\sqrt{2},\sqrt{3}),(\sqrt{2},\sqrt{3})$

1

1

$\frac{2}{3}$ $\frac{1}{2}$ $\frac{\sqrt{2}}{2}$ $\frac{\sqrt{2}}{3}$ $\frac{1}{4}$



1 2 30

1 2

1 2

2 1

1 2 1 2

1 2

1 2 1 2

1 m

1 $m=\frac{p}{q}$ p q m^2

2 $m=\frac{p}{q}$ p q $\frac{2m+4}{3}$

1 x_1,x_2,x_3 4

1 $x_1+\ ,x_2-2,x_3+$ 4

2 x_2 x_1 x_3 $x_2=4$

1 $\frac{a}{x^2-1}+\frac{1}{x+1}+\frac{1}{x-1}$

1 $a\neq 2$ 2 $a\neq -2$

1 $\sqrt{1+x^2}<x+1$

1 $x\in -1,0$ 2 $x\in(0,\frac{1}{2}$

20

1 2 2

2 1 0%

21 $S=12$

1 $\{a_n\}$ $a_n=10(3n+4)(n\in N)$

2 $\{a_n\}$ $a_n=2^n(n\in N)$

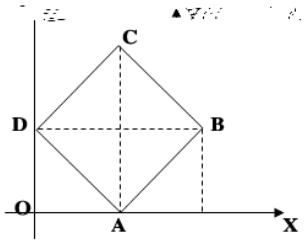
22 2 $n-2(n>2)$ 2 1 0.

1 $n=$ 2 $n=$

23 1

1 $y=x-\frac{1}{\sqrt{2}}$

2 $y=1-x$



24 $\frac{1}{-}$

1 $\frac{3}{4}$ 1 —

2 $\frac{3}{4}$ 2 $\frac{1}{2}$

2 1000

1 10

2

2 1 1

1 30%

2 2 %

2 $x>y$

1 x y $x^2 < y$

2 x y $\sqrt{x} < y$

2 $a < -1 < 1 < -a$

1 a $a+1<0$

2 a $|a|<1$

2 0.12

1 0.

2

30 $|x+1|+|x|=2$

1 $x \in (-\infty, -1)$

2 $x \in (-1, 0)$

30 **2** **0** .

31 10

32

33 1.

0%

1.

40%

0%

0%

34

3

3

3 1 4 1

2002 13

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44

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100 2 3 0% %

0% 2 3
3 %

µF3/ãW€Ž¹ ¢ƒÒ,Â<V<U M µF3/ãW, ¤sõQÓ’ <U w à Ñá, 1ˆò(„ ` € | ˆñ U È

1- -10 11-1
1 -20 21-2 2 -30
31 32 33 34 3 3 3 3 3 40
41 42 43 44 4 4 4 4 4 0
1 2 3 4 0
(30)

3