

035806

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$$33\frac{1}{3} - 16\frac{2}{3} \times 2 -$$

$$33\frac{1}{3} - 16\frac{2}{3} \times 2 -$$

$$33\frac{1}{3} - 16\frac{2}{3} \times 2 -$$

$$\frac{100}{100} - "$$

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) ()2(

)1(

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)3(

/ / !

) $33\frac{1}{3}$ (

) $16\frac{2}{3}$ —

(3-1

$\frac{1}{2}$

, B

A

.1

. A

B

$\frac{1}{4}$

$\frac{1}{2}$

B

A

.B A

. A

B

. B A

" b

. B A

b

.2

$(1 + 2 + 3 + \dots + n)^2 = 1^3 + 2^3 + 3^3 + \dots + n^3$:

$1^3 + 2^3 + 3^3 + \dots + n^3 = 5,832,225$

n

16 40 .3

16 - 12 -

?

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" " " ? "

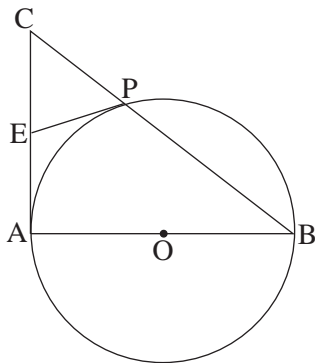
(?

).

) $33\frac{1}{3}$ (

) $16\frac{2}{3}$ - (6-4 - !

) $\angle CAB = 90^\circ$ (CAB - .4



. O AB
. P BC

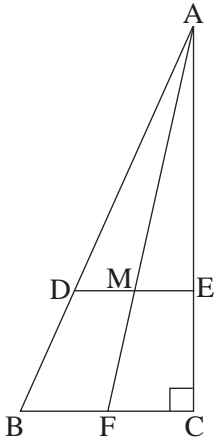
CA P
) (E

. CE = EA

$$\frac{CP}{EA} = \frac{2}{3}$$

, " 2 CPE

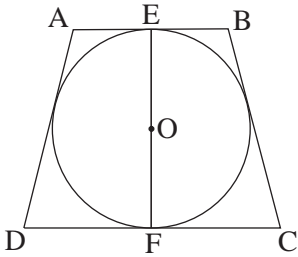
. PAB



$\angle ACB = 90^\circ$ (ABC) .5

BC AF
 M
 BC M
 E D AC AB
 DE BC
 ACB DC
 ABC

$AB \parallel DC$ (ABCD) .6



O DC AB
 F E EF
 . b
 $(\sin \angle C)^2 = \sin(90^\circ - \angle C)$
 : b
 AB

) $33\frac{1}{3}$ (

) $16\frac{2}{3}$ — (9-7

$f(x) = \frac{1}{\cos x}$

.7

f(x)

: $0 \leq x \leq 2\pi$

)1(

) (

)2(

. x

)3(

f(x)

)3(

. x

. - $2\pi \leq x \leq 0$

, y = 2

, f(x)

. x

, y

x

, $x = \frac{\pi}{2}$

:

, - ∞ ∞

. f(x)

)1(

. f(x)

)2(

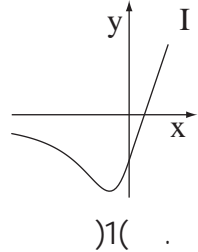
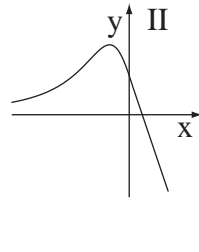
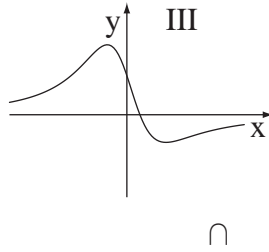
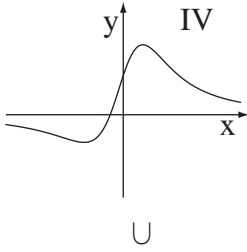
$$f''(x) = \frac{-6x^2 - 3x + 3}{\sqrt{(1+x^2)^5}} : f(x)$$

.8

. x f(x)

? f'(x)

IV, III, II, I



x

f(x)

f(x)

x = 3

f(x)

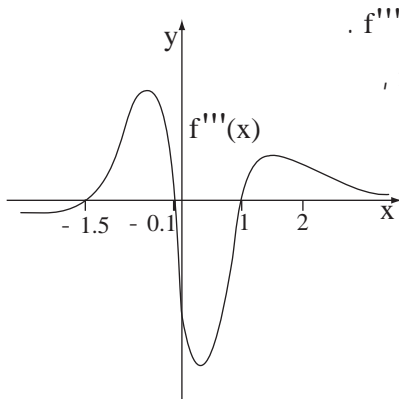
f'(x)

x

)1(

)2(

)3(



f'''(x)

f'''(x)

y x

x ≥ 0

x = 2

/7

/

$$f(x) = - a^2 x^2 \quad :$$

.9

$$g(x) = x^2 - x$$

.0

a

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—O(A O

.A

a

, f(x)

A

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, A

x

x

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