

3 :

| | | | |
|--|------|----------|---|
| | 02 : | 10 - 8 : | : |
|--|------|----------|---|

(06) :

$u_0 = 0$: (u_n)

$u_{n+1} = \frac{2}{3}u_n + \frac{1}{3}$

$u_n \leq 1$: n - (1)

$v_n = u_n - 1$: (v_n) - (2)

v_n - ()

n u_n n v_n - ()

(u_n) - ()

(06) :

2014 - 2007 : ()

| | | | | | | | | |
|-------|------|------|------|------|------|------|------|------|
| | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 |
| x_i | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| y_i | 105 | 112 | 116 | 120 | 124 | 131 | 139 | 148 |

$(0 \ 100000)$ $M_i(x_i; y_i)$ - (1)

G - (2)

$(10^{-1} \ b \ a) y = ax + b$ - (3)

2017 - (4)

170 - (5)

(08) :

g (Γ)

$A(2;2) \ O(0;0) \ (\Gamma)$

1

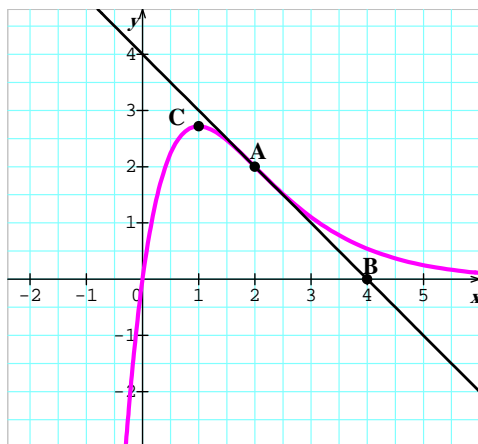
C

(Γ)

(Γ)

A

(AB)



g'

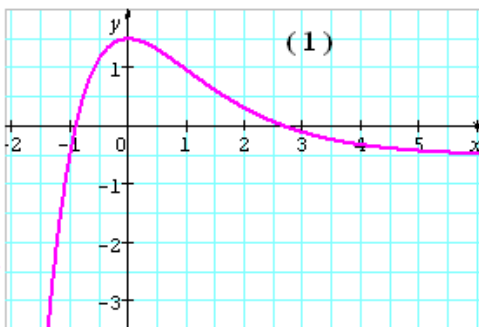
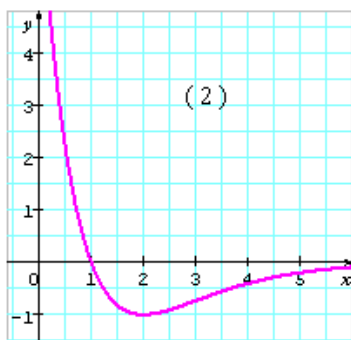
· $g'(2) \quad g'(1) \quad g(2) \quad g(0) :$ - (1)
 (4) (3) (2) (1) - (2)

· □ $g \quad G \quad g$
 $c \quad b \quad a \quad g(x) = (x+a)e^{bx+c} :$ g - (3)

· $c = -2b \quad a = 0$ - (

· $x \quad b \quad g'(x)$ - (

· $c \quad b$ - (



· □ $g \quad G(x) = -(x+1)e^{2-x} \quad G$ - (4)