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| 3 | | |
| : | : | 3 : |

(12) : _____
 ° (-1) = () /1

(0.5).....]∞+ ∞-[= ; = :
 . ;
 .

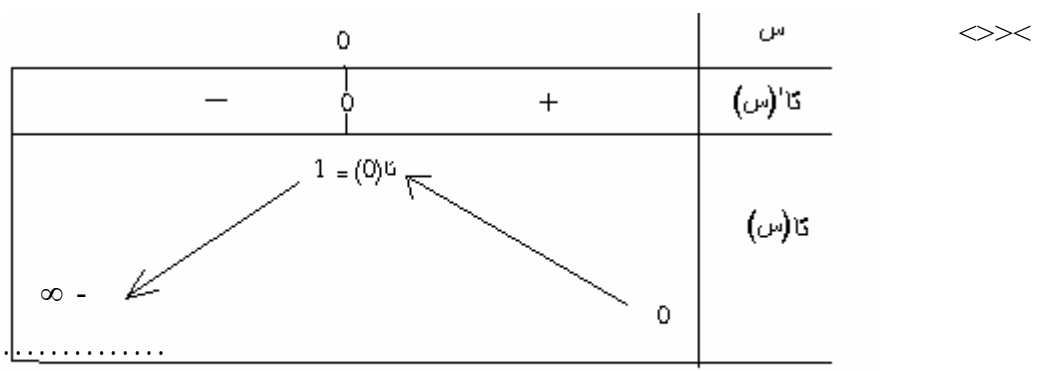
(0.5)..... ∞ - = ° ∞+∞ . (س-1) ∞+∞ = (س) ∞+∞
 ° (-) ∞-∞ + 0 = ° (-) ∞-∞ + ° ∞-∞ = (س) ∞-∞

(01)..... . 0 = (س) ∞-∞ 0 = — ° ∞+∞ = -

المشتق :

(01)..... ° - = ()' ; ∃ س ∇
 0 = ⇔ 0 = ()' :
 . - ()' 0 < ° ; ∃ س ∇

(0.5)..... 0 > -1 ⇔ 0 < ()' :



(1.5).....

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| : | : | : |

/2 : تا(س) = 0 $\infty \leftarrow$

المستقيم ذو المعادلة ع=0 هو مستقيم مقارب للمنحنى (ي) للدالة تا (وهو محور الفواصل) (0.5 ن)

لدينا : تا(س) = $\infty -$ $\infty \leftarrow$

: () $\infty \leftarrow$

$$\infty - = (\infty -)_{\infty \leftarrow} = \infty \left(1 - \frac{1}{\infty} \right)_{\infty \leftarrow} = \frac{\infty (-1)}{\infty \leftarrow} = \frac{(-)}{\infty \leftarrow}$$

(1.5).....

. (')

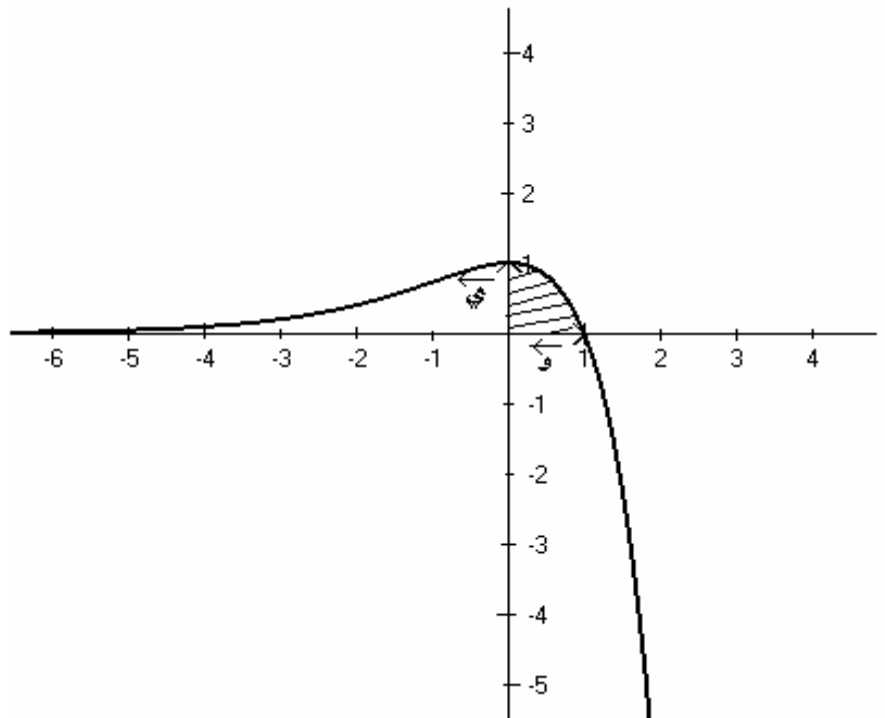
()

$\infty +$

/3 :

1= \Leftrightarrow 0= : (') \cap ()

1= \Leftrightarrow 0= : (') \cap ()



(02).....

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() : /4

:

$$\cdot \lfloor - \circ = \circ (-1) \rfloor = () \rfloor$$

$$\circ (1 -) = \circ \rfloor :$$

(02)..... (α) α + ◦ (-2) = () ⌋ :

-

$$\circ \lfloor \circ (-2) \rfloor =$$

(01).....

$$2 - \circ =$$

(3.5) : _____

(0.5).....

. 6

(01)..... $0.50 = \frac{1}{2} = \frac{3}{6} :$ /1

(01)..... $0,33 = \frac{1}{3} = \frac{2}{6} :3$ /2

(6 3)

(01)..... $0.50 = \frac{1}{2} = \frac{3}{6} :3$ /3

(6 5 4)

(4.5) _____

: /1

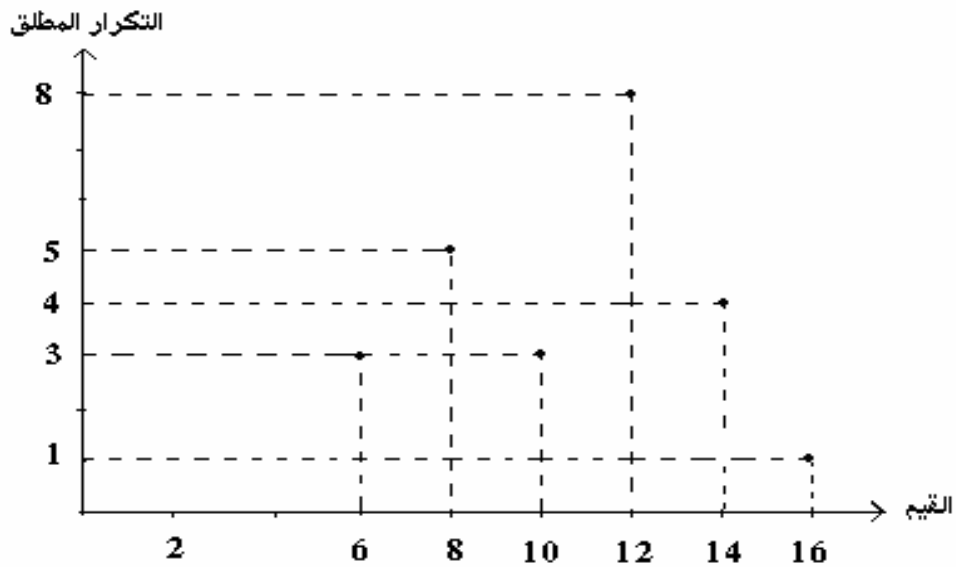
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|----|----|-------------------------|----|----|
| | | | | |
| 24 | 03 | $0.125 = \frac{3}{24}$ | 03 | 06 |
| 21 | 08 | $0.208 = \frac{05}{24}$ | 05 | 08 |
| 16 | 11 | $0.125 = \frac{3}{24}$ | 03 | 10 |
| 13 | 19 | $0.333 = \frac{08}{24}$ | 08 | 12 |
| 05 | 23 | $0.166 = \frac{04}{24}$ | 04 | 14 |
| 01 | 24 | $0.041 = \frac{01}{24}$ | 01 | 16 |

(02 ن).....

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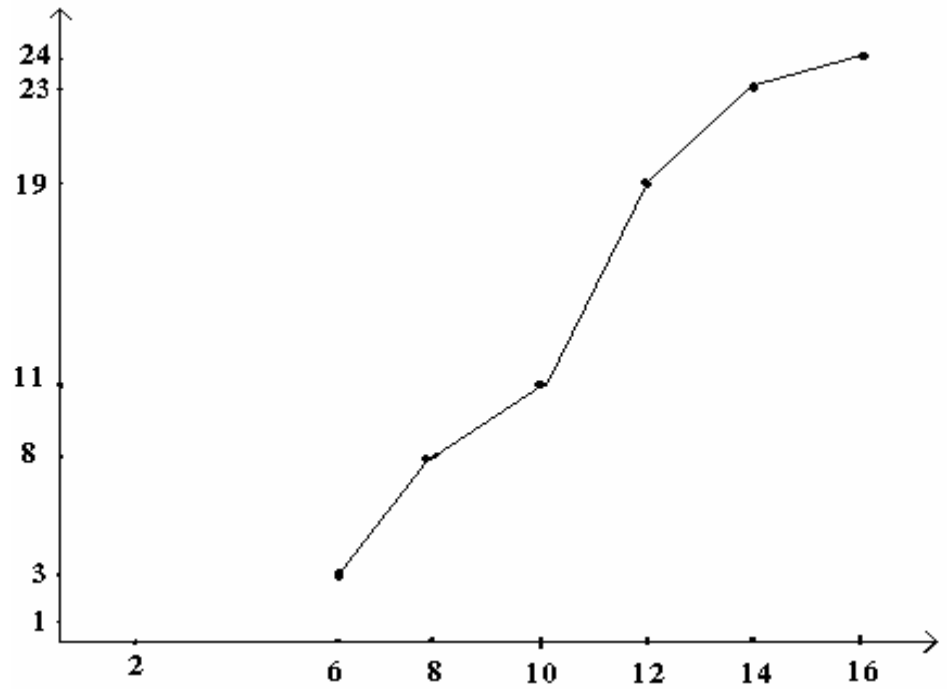
/2



(1.25).....

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| : | : | : |

/ 3



(1.25).....