ANANYIH 1 Tetapter 5 IEntemplou 2012

(x) Direte Tor opiété cus 60VEXIS 60Vàpzuens (1 por.) (B) ETETAGTE XV 01 Mapakatu mporagers Givar XINDE'S à VENSGIS (2 HOV.) y en Seis (ditrodo grier mu dravemen éas) (i) Ar n deo housia Sn=d,+d2+...+ In tird opaghern tou on capa Lak Eughtiva. (ii) Av n (an) Giva ppaghérn kaun (bn) Gugndira roze (iii) Av du>0 gra kalle KEN kan n 661på = ak 60gusiven,
tore n = ak 60gusiven. n (anbn) buzuziva. (iv) Av m Gurapmen f: [a,b] - R Givar Gurexis Toro m 4 Gran praghèvn. (d) Deitze on n etiewer x+ax+b=0 Ext To nodu Suo npagnankis (1 pov.) piles (B) 'E6TW f: [a,b]→R GUVEXIIS GUVAPENEN KOU X,,XZE [a,b]. Deifut on ya wart te [0,1] unapxa yt E [a,b] were: $f(y_t) = t f(x_1) + (1-t) f(x_2).$ (1 hov.) (8) Esw f,g: [a,b] - R GUVEXUS GUVAPMGGIS TETOITS WE'LL f(x) > g(x) y la histe xela, b). Distre ou vrapxh e>0 $i\omega_{6} v_{\epsilon} = f(x) > g(x) + e$ f(x) = f(x) + e f(x) = f(x) + eHEMA 3

 $\sqrt{\frac{e^{x}-1}{e^{x}+1}} dx$, $\sqrt{\frac{\sin(\ln x)dx}{\sin(\ln x)dx}}$, $\sqrt{\frac{x\cos xdx}{\sin(\ln x)dx}}$

(2,5 pov)

DEMA 4

ETERAGREE AN GUZUATIVA A ANOKATIVA KATELIA ANO US

NAPAKOTUM GAPES:
$$\frac{3}{4}$$
 $\frac{3}{4}$ $\frac{3}{4}$ $\frac{3}{4}$ $\frac{3}{4}$ $\frac{1}{4}$ $\frac{3}{4}$ $\frac{1}{4}$ $\frac{3}{4}$ $\frac{1}{4}$ $\frac{1}{4}$