A35. 13.

(1) A f(x) = 50 - E (x) + 10x (0, exc17

(B) (5, 10) (0, 18)

() M = 1/2 then go 1.

2 (Poigr= H(y) = 0.6 log(0.6) - 0.4 log(0.4)=

0.8: H(Ai) = 0.8 (-0.5 log(0.5) - 0.5 log(0.5)) =

0.5: H(Az) = 0.4(-log(1)) + 6.6(-0.33 pg (0.23) - 0.66 log(0.66) =

0.7: H(Az) = 0.4(-0.5 log(0.5) - 0.5 log(0.5) + 0.4(-0.23 log(0.33)
0.66(1) 0.66(1) =

0.66(1) 0.66(1) =

A gain = 0197 - 0.8 = 0.17

B) gar = 0,97 - 0,55 = 6,42

@ goin = 0197 - 0.95 = 01.02

