Still no Peter 15

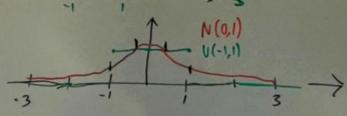
1.1.
ho:
$$Y \sim U(-1,1)$$
 $f_{Y|H}(Y|h_0) \stackrel{P_1}{\sim} - P(H=h_0) = p$
hi: $Y \sim N(0,1)$ $f_{Y|H}(Y|h_1) \stackrel{P_2}{\sim} = P(H=h_1) = 1 - p$

a range:

If Y=y, such that 14>1, then normal dist.

C. Calculate decision regions for MAP rule. Find the value of AMAP(Y) for all possible valves of y:

P= 0.4



Decision rule: if (17171: h. if lyk approv 0.5 : hi it ~0.5< / < 1 : ho