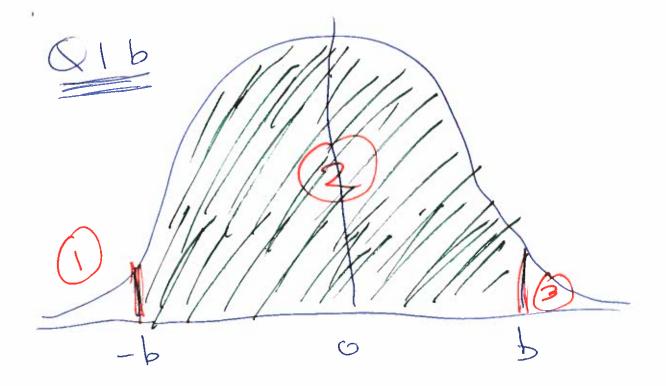
AREAS

Insperting MB3, we see that  $\alpha = 0.5$ .



(2) 
$$P(-b \le Z \le b) = 0.90$$

by symmetry

: both must equal 0.05

by inspection of MB3

(or split ofference b = 1.645)