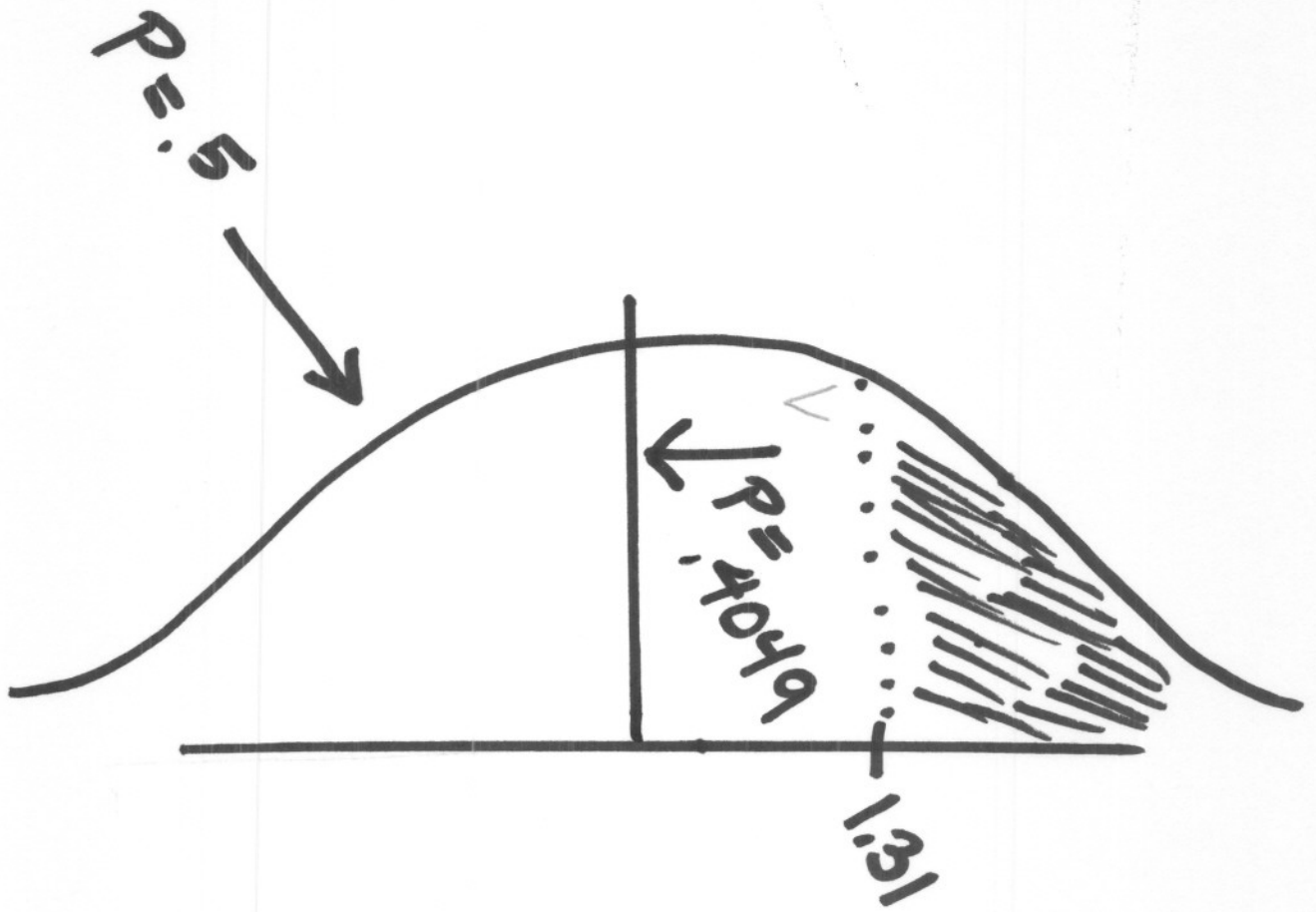


$$P(z \leq -2.59) =$$

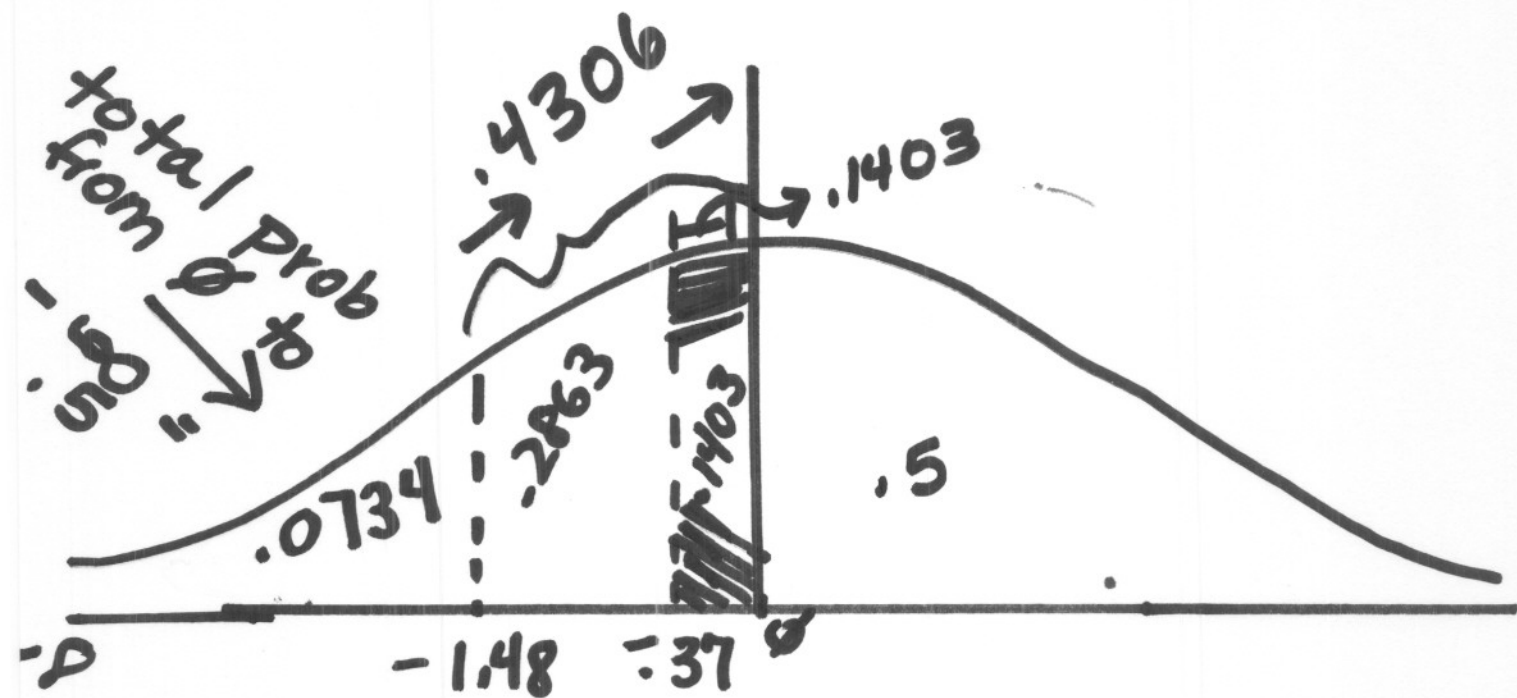
$$1 - (.4952) - (.5) =$$

$$.0048 \quad (\text{shaded})$$



$$P(z \leq 1.31) = .5 + .4049$$

(non-shaded area)



$$P(61 \leq X \leq 65)$$

$$= P(-1.48 \leq Z \leq -.37)$$

$$= .2863$$