

$$\text{power} = 1 - \beta$$

the review

β = prob (Type II error | H_0 is false)

β (spec. value) = 0.1 not just $\beta = 0.1$

#2 on hw

(a) $H_0: \mu = 60$

$H_a: \mu > 60$

(b) alt = $\mu = 63$

(c) $\mu = 60$ $1 - \beta$

Type I $\mu = 60$

throw out anyway

α = P Type I error

power only makes sense
when you have an alt.
hypothesis

$$V(X - Y) = V(X) + V(Y)$$