

1. CLAIM: LOWER THAN 59 ^{"<"}
 $\mu = 59$ $H_0: \mu \geq 59$ ($\leq, \geq, =$)
 $n = 15$ $H_1: \mu < 59$ ($<, >, \neq$)
 $\bar{x} = 58$
 $s = 1.2$
 $\alpha = .05$
 P-VALUE: T-TEST
 $P = .0030$
 CONC: REJECT H_0
 ACCEPT H_1
 ACCEPT CLAIM

2. CLAIM: DIFF THAN 59 ^{" \neq "}
 $\mu = 59$ $H_0: \mu = 59$
 $n = 35$ $H_1: \mu \neq 59$
 $\bar{x} = 63$ P-VALUE: T-TEST
 $s = 2.3$ $P = 5.6 E-12$
 $\alpha = .01$ $P = .0000000000056$
 CONC: REJECT H_0
 ACCEPT H_1
 ACCEPT CLAIM

3. CLAIM: MORE THAN 16.9 ^{">"}
 $\mu = 16.9$ $H_0: \mu \leq 16.9$
 $n = 10$ $H_1: \mu > 16.9$
 $\alpha = .10$
 P-VALUE: T-TEST
 $P = .3516$
 CONC: ACCEPT H_0
 REJECT H_1
 REJECT CLAIM

