**Use the given claim to state a null and an alternative hypothesis. Identify which hypothesis represents the claim.**

1. Claim: *p* < 0.205
2. Claim: *p* > 0.70

**Test the claim about the population mean µ with a *z*-test using the given sample statistics and level of significance *a*.**

1. Claim: µ ≠ 0:  *a* = 0.05. Statistics x *=* -0.69*,* s *=* 2.62*, n =* 60
2. Claim: µ = 7450: *a* = 0.05. Statistics x *=* 7512*,* s *=* 243*, n =* 57

**Find the critical value(s) for the *t*-test with the indicated sample size *n* and level of significance *a*.**

1. Right–tailed test, *n* = 8, *a*  = 0.01
2. Two-tailed test, *n* = 12, *a* = 0.05