- 160. Let $X_1,...,X_n$ be IID normal (θ,σ^2) where σ^2 is known. For each of the following hypotheses, write the acceptance region of a level α test and the $1-\alpha$ confidence interval that results from inverting the test.
 - (a) $H_0: \theta \leq \theta_0$ versus $H_1: \theta > \theta_0$.
 - (b) $H_0: \theta \ge \theta_0$ versus $H_1: \theta < \theta_0$.
 - (c) $H_0: \theta = \theta_0$ versus $H_1: \theta \neq \theta_0$.