Exam | Test larrections Christopher Mena STATO21-Section 1 1) The two correct answers are (a) and (c). A CI is parallel to a hypothesis test in the sense that if the parameter of interest isn't contained within the CI, that is Equivalent to rejecting the null hypothesis (eg. P= 31.6) Therefore, (a) is correct! (c) is the definition of the interpretation of a 90% CI; in repeated random samples We would expect new Us to contain the true parameter 90% of the time. (d) is incorrect because the data is already given, there is no uncertainty or randomness involved While we don't know the parameter for this area, we know that it's either included or not included in the CI with 0% or 100% probability / chance. (5) The two correct miswers are (c) and (d). (c) wants a CI, and (d) mails to test Statistical significance. Both are infectable procedures. (b) is not an inferential procedure because the person is not using the model to predict a new observation. Their house is contained mother the sample of local houses that the SLR woodel is titled to. The model is describing the relationship list price and front sale price In that neighborhood/area. The prediction is not for a new observation from the population bul doother house within the sample. * *This was my first thought, which I don't believe is correct or at least the best reasoning. I'll leave it there instead of crossing. What I want to say about (b) is that despite the rold "fredict," there is no inference involved. We can always use the model for an observation, especially if it's from the same sample. However, no're not laying to say something about how accurate the estimate is (i.e. mate an interval); he're simply describing what value 15 Spit outwomen you plug in \$189k.