CHAPTER 9 SOLUTION SHEET - 20151101 Hypothesis Testing for Single Mean and Single Proportion

In words, describe what the population parameter μ or P represents:
In words, describe what the random variable \overline{X} or P' represents:
STEP 1: Ho: Ha: Significance Level α =
STEP 2: DATA: Proportion: $x = $ $p' = $
OR Mean: $\overline{X} = \underline{\hspace{1cm}}$; $n = \underline{\hspace{1cm}}$; $\sigma = \underline{\hspace{1cm}}$ or $s = \underline{\hspace{1cm}}$
Circle test to use on calculator: ZTest TTest 1 Prop Z Test
Distribution for the test: N (,) OR t with df =
STEP 3: ANALYSIS OF THE DATA
Test Statistic: t or z (circle one) =
p-value =
Use the previous information to draw the graph of this situation.
Label & scale both horizontal axes (for the random variable \overline{X} or P' and for the test statistic t or z)
Shade and label the region(s) corresponding to the p-value.

STEP 3: ANALYSIS OF THE DATA Continued

Interpretation of p-value:	
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EP 4:	lo" or "do not reject Ho"), and the reason
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decision	reason for decision
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