

SOLUTION SHEET

a. Ho: _____

b. Ha: _____

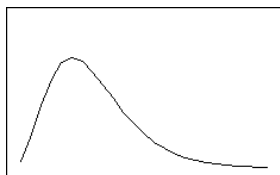
c. degrees of freedom = _____

d. State the distribution to use for the test. _____

e. Test Statistic: $\chi^2 =$ _____

f. p-value = _____ In 1 – 2 complete sentences, explain what the p-value means for this problem.

g. Use the previous information to sketch a picture of this situation. CLEARLY, label and scale the horizontal axis and shade the region(s) corresponding to the p-value.



h. Indicate the correct decision (“reject” or “do not reject” the null hypothesis) and write appropriate conclusions, using COMPLETE SENTENCES.

alpha	decision	reason for decision
_____	_____	_____
_____	_____	_____

Conclusion: _____
