## STAT203 Homework #8

<u>**Due</u>**: Thursday, October 30<sup>th</sup> at 11.30am <u>**Directions**</u>: Read Sections 3.4-3.5-3.6-3.7, and solve the following exercises; please</u> write or type up your solutions very neatly and show all relevant work.

Page(s) in text	Exercise(s)
<b>p. 133</b>	# 3.4-6
<b>p. 141</b>	# 3.5-6 – Also add: (b) find the method of moments estimator
	of $\theta$ ; (c) for a given dataset we obtain n = 100, $\Sigma x_k = 216.411$ ,
	$\Sigma \ln(x_k) = 58.0845$ : find both the maximum likelihood and the
	method of moments estimators for these data.
<b>p. 147</b>	# 3.6-12 – Modify the exercise by substituting "within 50
	minutes" in place of "within one hour".
<b>p. 148</b>	# 3.6-14
<b>p. 152</b>	# 3.7-8
p. 152	# 3.7-14
p. 152	# 3.7-16