STATISTICS	1040
Quiz 7, Fall 20	14

Name	
Recitation Instructor	Time

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1. Draw 400 times with replace	ment from the box [5] 7 8 9 1	1].
a) How small can the sum of the	e draws be? How large? (2 points)	
b) What do you expect the sum	of the draws to be? (2 points)	
c) If the <i>sum of the draws</i> = ex be? (You may use the fact that	spected value + chance error, how big	g is the chance error likely to
	(c p)	
d) Find the probability that the	sum of the draws is between 3150 and	d 3250. (2 points)

e) Find the probability that the number of 7 s drawn is greater than 84. (2 points)