STATISTICS 1040
Quiz 7, Fall 2014

Name
Recitation Instructor $\qquad$ Time

$$
\left[\begin{array}{llllll}
5 & 7 & 8 & 9 & 11
\end{array}\right] .
$$

a) How small can the sum of the draws be? How large? (2 points)
b) What do you expect the sum of the draws to be? (2 points)
c) If the sum of the draws $=$ expected value + chance error, how big is the chance error likely to be? (You may use the fact that the box SD is 2.) (2 points)
d) Find the probability that the sum of the draws is between 3150 and 3250 . ( 2 points)
e) Find the probability that the number of 7 s drawn is greater than 84 . (2 points)

