

1. For a request to use the campus computing cluster, and knowing that your jobs' durations are normally distributed with a mean of one hour and a standard deviation of 10 minutes, answer the following inquiries.
 - (a) What is the probability that the total duration of your 32 jobs is more than 34 hours?
 - (b) What is the probability that the average duration of your 28 jobs is less than 57 minutes?