**Quiz #6 (Module 22 and 23)**

1. In 2001 a national vital statistics report indicated that about 4% of all births produced twins. Is the rate of twin births different among very young mothers? Data from a large city hospital found that only 10 sets of twins were born to 469 teenage girls. Test appropriate hypotheses and state your conclusion. Use .

1. **(5 pts.)** Assuming normal criteria are met, write out the Null and Alternative Hypotheses in symbols and words.
2. **(5 pts.)** Calculate the p-value. Show any relevant work!
3. **(4 pts.)** Explain what the p-value means using the context of the problem
4. **(2 pts.)** Is there enough evidence to reject the Null Hypothesis? Why or why not?
5. **(4 pts.)** State your conclusion using the context of the problem.