

**Stat 1040**  
**Quiz 10, Fall 2014**

**Name** \_\_\_\_\_  
**Recitation Instructor** \_\_\_\_\_

1. When convicts are released from prison, they have no money and there is a high rate of "recidivism", the released prisoners return to crime and are arrested again. The Department of Labor ran a randomized controlled experiment to find out. There were 592 prisoners assigned to the treatment and they each received income support like unemployment insurance. The control group numbered 154 and received no income support from the Department of Labor. By the end of the year, 48.3 % of the treatment group and 49.4% of the control group were rearrested. Did income support reduce recidivism? Complete the appropriate statistical test and briefly explain your conclusion. (10 points)