1. Do men and women have different beliefs on the ideal number of children in a family? Based on the following GSS2008 Data and the obtained t statistics, what would you conclude? (0.05)

|  |  |  |
| --- | --- | --- |
|  | Men | Women |
| Mean ideal number of children | 3.06 | 3.22 |
| Standard Deviation | 1.92 | 1.99 |
| N | 610 | 610 |

1. Data from the MTF2008 reveal that 75.7% (493 out of 651) of males and 62.2% (405 out of 651) of females reported trying alcohol. You wonder whether there is any difference between males and females in the population trying alcohol. Use a test of the difference between proportions when answering this question. What is the research hypothesis? Should you conduct a one-or a two-tailed test? Why? Test you hypothesis at the 0.05 level. What do you conclude?