Random samples of populations (in thousands) of U.S. cities in three sections of the country are listed. Is there evidence to conclude a difference in means at the 0.001 level of significance?

|  |  |  |
| --- | --- | --- |
| **Eastern Third** | **Middle Third** | **Western Third**  |
| 187 | 217 | 276 |
| 146 | 478 | 110 |
| 362 | 277 | 177 |
| 186 | 113 | 122 |
| 174 | 128 | 134 |
| 248 | 150 | 137 |
| 335 | 198 | 338 |
| 255 |

1. Solve using a one-way ANOVA test

B) Solve using a Kruskal-Wallis test