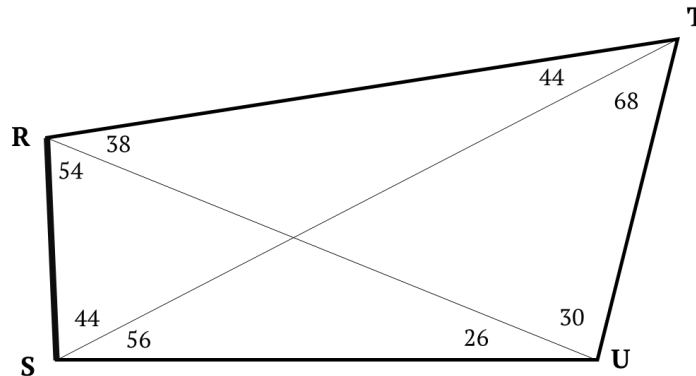


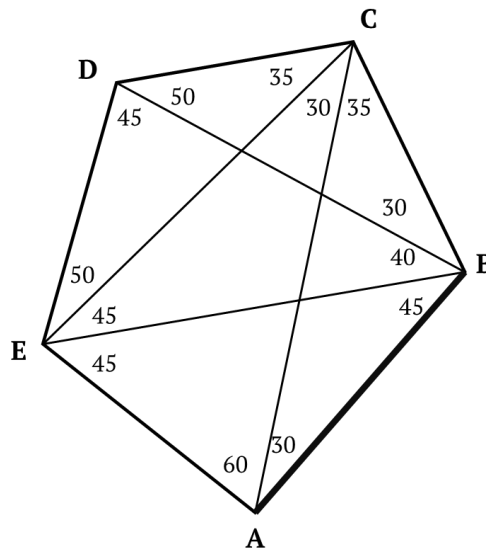


Assignment (6)

1. What is meant by the geodetic term strength of figure, how is it computed, and how can you achieve it in practice?
2. Compute the value of $\frac{D-C}{D}$ for the following triangulation figures if all the stations have been occupied and all the lines have been observed in both directions:
 - a - A single triangle
 - b - A braced quadrilateral
 - c - A four-sided central-point figure without diagonals
 - d - A four-sided central-point figure with one diagonal.
3. Compute the strength of the figure RSTU for all the routes by which the length TU can be computed from the known side RS. Assume all stations were occupied.



4. Compute the strength of the figure ABCDE for all the routes by which the length CD can be computed from the known side AB and find the strongest route.



5. Compute the strength of the figure ABCDEFGH for all the routes by which the length GH can be computed from the known side AB and find the strongest route.

