

Total points = 20

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1. $\therefore \overline{AD} > \overline{RI}$ ✓
Hinge Theorem or SAS Inequality Theorem ✓
2. $\therefore m\angle R < m\angle A$ ✓
Converse of Hinge Theorem or SSS Inequality Theorem ✓
3. $\therefore m\angle D > m\angle I$ ✓
Converse of Hinge Theorem or SSS Inequality Theorem ✓
4. $\therefore \overline{AN} > \overline{RO}$ ✓
Hinge Theorem or SAS Inequality Theorem ✓
5. $\therefore m\angle N < m\angle O$ ✓
Converse of Hinge Theorem or SSS Inequality Theorem ✓
6. $\therefore \overline{TR} > \overline{GO}$ ✓
Hinge Theorem or SAS Inequality Theorem ✓
7. $\therefore m\angle R < m\angle O$ ✓
Converse of Hinge Theorem or SSS Inequality Theorem ✓
8. $\therefore m\angle T > m\angle G$ ✓
Converse of Hinge Theorem or SSS Inequality Theorem ✓
9. $\therefore \overline{IR} > \overline{NO}$ ✓
Hinge Theorem or SAS Inequality Theorem ✓
10. $\therefore m\angle I < m\angle N$ ✓
Converse of Hinge Theorem or SSS Inequality Theorem ✓