Activity 3.4.1: SAS Triangle Congruence Postulate

Total points = 20

A. Answers

1. $\overline{DT} \cong \overline{ST}$ ✓
   $\angle DTU \cong \angle STU$ ✓
   $\overline{UT} \cong \overline{UT}$ ✓
   $\therefore \triangle DTU \cong \triangle STU$ ✓
2. $\overline{RQ} \cong \overline{DS}$ ✓
   $\angle RQS \cong \angle DSQ$ ✓
   $\overline{QS} \cong \overline{SQ}$ ✓
   $\therefore \triangle RQS \cong \triangle DSQ$ ✓

3. $\overline{UV} \cong \overline{KV}$ ✓
   $\angle UVW \cong \angle KVM$ ✓
   $\overline{WV} \cong \overline{MV}$ ✓
   $\therefore \triangle UVW \cong \triangle KVM$ ✓
4. $\overline{AB} \cong \overline{JK}$ ✓
   $\angle A \cong \angle J$ ✓
   $\overline{AC} \cong \overline{JL}$ ✓
   $\therefore \triangle ABC \cong \triangle JKL$ ✓

B. Answers

1. $\overline{CF} \cong \overline{AL}$ ✓
2. $\angle TAC \cong \angle TAK$ ✓

3. $\overline{GX} \cong \overline{BX}$ ✓
4. $\overline{BM} \cong \overline{NA}$ ✓