

Activity 3.3.2: SSS Triangle Congruence Postulate

Total points = 6

A. Answers

1. $\angle F$ ✓

2. $\angle G$ ✓

3. $\angle E$ ✓

4. $\angle O$ ✓

5. $\angle N$ ✓

6. $\angle D$ ✓

B. Answers

1. \overline{AB}

2. \overline{AC}

3. \overline{BC}

4. \overline{AS}

5. \overline{DS}

6. \overline{AD}

C. Answers

1. $\overline{RW} \cong \overline{WR}$
 $\overline{QW} \cong \overline{VR}$
 $\overline{QR} \cong \overline{VW}$
 $\therefore \triangle QRW \cong \triangle VWR$

2. $\overline{DE} \cong \overline{JK}$
 $\overline{DF} \cong \overline{JL}$
 $\overline{FE} \cong \overline{LK}$
 $\therefore \triangle DEF \cong \triangle JKL$

3. $\overline{AY} \cong \overline{ZX}$
 $\overline{AR} \cong \overline{ZJ}$
 $\overline{RY} \cong \overline{JX}$
 $\therefore \triangle ARY \cong \triangle ZJX$

D. Answers

1. $\overline{WX} \cong \overline{KV}$

2. $\overline{DU} \cong \overline{VU}$

3. $\overline{DT} \cong \overline{ST}$

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