### **Activity 3.3.2: SSS Triangle Congruence Postulate** Total points = 6

#### A. Answers

1. ∠F **√** 

3. ∠*E* ✓

5. ∠N **√** 

2. ∠G **√** 

**4**. ∠**0** ✓

6. ∠D **√** 

B. Answers

3. *BC* 4. *AS* 

5. *DS* 6. *AD* 

2. *AC* C. Answers

1. *AB* 

1.  $\overline{RW} \cong \overline{WR}$  $\overline{\textit{QW}}\cong\overline{\textit{VR}}$  $\overline{QR} \cong \overline{VW}$ 

 $: \triangle QRW \cong \triangle VWR$ 

2.  $\overline{DE} \cong \overline{JK}$  $\overline{\mathit{DF}}\cong\overline{\mathit{JL}}$  $\overline{\textit{FE}}\cong\overline{\textit{LK}}$ :  $\triangle DEF \cong \triangle JKL$ 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.  $\overline{DT} \cong \overline{ST}$ 

### **Activity 3.3.2: SSS Triangle Congruence Postulate** Total points = 6

A. Answers

1. ∠F **√** 3. ∠E **√**  5. ∠N **√** 

4. ∠0 ✓

6. ∠D **√** 

2. ∠G **√** B. Answers

1. *AB* 

3.  $\overline{BC}$ 4.  $\overline{AS}$  5. *DS* 6. *AD* 

2. *AC* 

C. Answers 1.  $\overline{RW} \cong \overline{WR}$ 

 $\overline{\textit{QW}}\cong\overline{\textit{VR}}$ 

 $\overline{QR} \cong \overline{VW}$ 

 $: \triangle QRW \cong \triangle VWR$ 

 $\underline{2}.\ \overline{DE}\cong \underline{JK}$  $\overline{\mathit{DF}}\cong\overline{\mathit{JL}}$  $\overline{\textit{FE}}\cong\overline{\textit{LK}}$  $\therefore \triangle DEF \cong \triangle JKL$ 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.  $\overline{DT} \cong \overline{ST}$ 

# Activity 3.3.2: SSS Triangle Congruence Postulate

Total points = 6

A. Answers

1. ∠F **√** 

3. ∠*E* ✓

5. ∠N **√** 

2. ∠G **√** 

4. ∠0 ✓

6. ∠D **√** 

B. Answers

1. *AB* 

3.  $\overline{BC}$ 

5. *DS* 

2.  $\overline{AC}$ 

4.  $\overline{AS}$ 

6. *AD* 

### C. Answers

1.  $\overline{RW} \cong \overline{WR}$ 

 $\overline{QW}\cong \overline{VR}$ 

 $\overline{QR} \cong \overline{VW}$ 

 $. \triangle QRW \cong \triangle VWR$ 

 $\underline{\textbf{2.}} \ \overline{DE} \cong \overline{JK}$  $\overline{\mathit{DF}}\cong\overline{\mathit{JL}}$ 

 $\overline{\textit{FE}}\cong \overline{\textit{LK}}$ 

 $: \triangle DEF \cong \triangle JKL$ 

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

## Activity 3.3.2: SSS Triangle Congruence Postulate

Total points = 6

A. Answers

1. ∠*F* ✓

3. ∠*E* ✓

5. ∠N **√** 

2. ∠G **√** 

4. ∠0 ✓

6. ∠D **√** 

B. Answers

ĀB

3.  $\overline{BC}$ 

5. *DS* 

 $2. \overline{AC}$ 

4.  $\overline{AS}$ 

6. *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.  $\overline{DE} \cong \overline{JK}$ 

 $\overline{DF}\cong \overline{JL}$ 

 $\overline{\textit{FE}}\cong \overline{\textit{LK}}$  $\therefore \triangle DEF \cong \triangle JKL$ 

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

 $\underline{\textbf{2}}. \ \overline{DU} \cong \overline{VU}$ 3.  $\overline{DT} \cong \overline{ST}$