#### **Activity 3.3.2: SSS Triangle Congruence Postulate** Total points = 27 A. Answers 1. ∠F ✓ 3. ∠E ✓ 5. ∠N **√ 4**. ∠**0** ✓ 2. ∠G ✓ 6. ∠D **√** B. Answers 3. <del>BC</del> ✓ 1. *AB* ✓ 5. <del>DS</del> √ 4. *AS* ✓ 2. *AC* ✓ 6. *AD* ✓ C. Answers 1. $\overline{RW} \cong \overline{WR} \checkmark$ $\overline{QW} \cong \overline{VR} \checkmark$ $\overline{QR} \cong \overline{VW} \checkmark$ $\therefore \triangle QRW \cong \triangle VWR \checkmark$ 2. DE ≅ JK ✓ $\overline{\mathit{DF}}\cong\overline{\mathit{JL}}$ $\checkmark$ $\overline{\textit{FE}}\cong\overline{\textit{LK}}$ $\checkmark$ $: \triangle DEF \cong \triangle JKL \checkmark$ 3. $\overline{AY} \cong \overline{ZX} \checkmark$ $\overline{AR} \cong \overline{ZJ} \checkmark$ $\overline{RY}\cong \overline{JX}$ $\checkmark$ $\therefore \triangle ARY \cong \triangle ZJX \checkmark$ D. Answers 1. $\overline{WX} \cong \overline{KV} \checkmark$ 2. $\overline{DU} \cong \overline{VU} \checkmark$ 3. $\overline{DT} \cong \overline{ST} \checkmark$

#### Activity 3.3.2: SSS Triangle Congruence Postulate Total points = 27

### A. Answers

- 1. ∠F **√**
- 3. ∠*E* ✓
- 5. ∠N **√**

- 2. ∠G **√** B. Answers
- 4. ∠0 ✓
- 6. ∠D **√**

- 1. *AB* ✓
- 3. *BC* ✓
- 5. *DS* ✓

- 2. *AC* ✓
- 4. *AS* ✓
- 6. *AD* ✓

#### C. Answers

- 1.  $\overline{RW} \cong \overline{WR} \checkmark$ 
  - $\overline{QW}\cong \overline{VR}$   $\checkmark$
  - $\overline{QR}\cong \overline{VW}$   $\checkmark$
- $A \triangle QRW \cong \triangle VWR \checkmark$ 2. *DE* ≅ *JK* ✓
- - $\overline{\mathit{DF}}\cong\overline{\mathit{JL}}$   $\checkmark$
  - $\overline{\textit{FE}}\cong \overline{\textit{LK}}$   $\checkmark$
  - :  $\triangle DEF \cong \triangle JKL \checkmark$
- 3.  $\overline{AY} \cong \overline{ZX} \checkmark$ 
  - $\overline{AR} \cong \overline{ZJ} \checkmark$
  - $\overline{RY} \cong \overline{JX} \checkmark$
  - $\therefore \triangle ARY \cong \triangle ZJX \checkmark$

## D. Answers

- 1.  $\overline{WX} \cong \overline{KV} \checkmark$
- 2.  $\overline{DU} \cong \overline{VU} \checkmark$
- 3.  $\overline{DT} \cong \overline{ST} \checkmark$

### **Activity 3.3.2: SSS Triangle Congruence Postulate** Total points = 27

- A. Answers
- 1. ∠F **√** 3. ∠E **√**
- 5. ∠N **√** 6. ∠D **√**
- 2. ∠G **√**
- B. Answers 1. *AB* ✓
- 3. <del>BC</del> ✓

4. ∠0 ✓

- 5. *DS* ✓ 6. *AD* ✓
- 2. *AC* ✓ 4. *AS* ✓
- C. Answers
- 1.  $\overline{RW} \cong \overline{WR} \checkmark$ 
  - $\overline{QW}\cong \overline{VR}$   $\checkmark$
  - $\overline{QR} \cong \overline{VW} \checkmark$
- $: \triangle QRW \cong \triangle VWR \checkmark$
- 2. *DE* ≅ *JK* ✓
  - $\overline{\mathit{DF}}\cong\overline{\mathit{JL}}$   $\checkmark$
  - $\overline{\textit{FE}}\cong\overline{\textit{LK}}$   $\checkmark$ :  $\triangle DEF \cong \triangle JKL \checkmark$
- 3.  $\overline{AY} \cong \overline{ZX} \checkmark$
- - $\overline{AR} \cong \overline{ZJ} \checkmark$
  - $\overline{RY} \cong \overline{JX} \checkmark$  $\therefore \triangle ARY \cong \triangle ZJX \checkmark$
- D. Answers 1.  $\overline{WX} \cong \overline{KV} \checkmark$
- 2. *DU* ≅ *VU* ✓
- 3.  $\overline{DT} \cong \overline{ST} \checkmark$

# Activity 3.3.2: SSS Triangle Congruence Postulate

Total points = 27

- A. Answers
- 1. ∠*F* ✓
- 3. ∠*E* ✓
- 5. ∠N **√** 6. ∠D **√**

- 2. ∠G **√**
- 4. ∠0 ✓

- B. Answers
- 1. *ĀB* ✓
- 3. *BC* ✓
- 5. *DS* ✓

- 2. *AC* ✓
- 4. *AS* ✓
- 6. *AD* ✓

### C. Answers

- 1.  $\overline{RW} \cong \overline{WR} \checkmark$ 
  - $\overline{QW}\cong \overline{VR}$   $\checkmark$  $\overline{QR}\cong \overline{VW}$   $\checkmark$
- $\therefore \triangle QRW \cong \triangle VWR \checkmark$ 2.  $\overline{DE} \cong \overline{JK} \checkmark$
- $\overline{DF}\cong \overline{JL}$   $\checkmark$ 
  - $\overline{\textit{FE}}\cong \overline{\textit{LK}}$   $\checkmark$
- $: \triangle DEF \cong \triangle JKL \checkmark$ 3.  $\overline{AY} \cong \overline{ZX} \checkmark$
- - $\overline{AR} \cong \overline{ZJ} \checkmark$
  - $\overline{RY} \cong \overline{JX} \checkmark$
  - $\therefore \triangle ARY \cong \triangle ZJX \checkmark$

## D. Answers

- 1.  $\overline{WX} \cong \overline{KV} \checkmark$
- 2.  $\overline{DU} \cong \overline{VU} \checkmark$
- 3.  $\overline{DT} \cong \overline{ST} \checkmark$