Activity 3.4.2: ASA Triangle Congruence Postulate

Total points = 20

A. Answers

- 1. ∠*SUV* ≅ ∠*OUD* ✓ $\overline{SU}\cong\overline{OU}$ \checkmark ∠*S* ≅ ∠*O* ✓ $\triangle SUV \cong \triangle OUD \checkmark$
- 2. ∠DTU ≅ ∠STU ✓ $\overline{UT}\cong \overline{UT}\checkmark$ $\angle DUT \cong \angle SUT \checkmark$
- $\triangle DTU \cong \triangle STU \checkmark$
- **4**. ∠*U* ≅ ∠*K* ✓ $\overline{\mathit{UV}}\cong\overline{\mathit{KV}}$ \checkmark ∠UVW ≅ ∠KVM **√** $\triangle UVW \cong \triangle KVM \checkmark$

B. Answers

- 1. ∠*WXV* ≅ ∠*KVX* ✓
- 3. ∠D ≅ ∠H **√**
- 2. $\angle TAC \cong \angle TAK \checkmark$
- **4**. ∠*E* ≅ ∠*K* ✓

3. $\angle RQS \cong \angle DSQ \checkmark$

 $\angle RSQ \cong \angle DQS \checkmark$

 $\triangle RQS \cong \triangle DSQ \checkmark$

 $\overline{QS} \cong \overline{SQ} \checkmark$

Activity 3.4.2: ASA Triangle Congruence Postulate Total points = 20

A. Answers

- 1. ∠SUV ≅ ∠OUD ✓ <u>SU</u> ≅ <u>OU</u> ✓ ∠S≅∠O **√** $\triangle SUV \cong \triangle OUD \checkmark$
- 2. ∠DTU ≅ ∠STU ✓ $\overline{UT} \cong \overline{UT} \checkmark$ ∠DUT ≅ ∠SUT ✓ $\triangle DTU \cong \triangle STU \checkmark$
- $\angle RSQ \cong \angle DQS \checkmark$ $\triangle RQS \cong \triangle DSQ \checkmark$ **4**. ∠*U* ≅ ∠*K* ✓

3. $\angle RQS \cong \angle DSQ \checkmark$

 $\overline{QS} \cong \overline{SQ} \checkmark$

 $\overline{UV} \cong \overline{KV} \checkmark$ ∠UVW ≅ ∠KVM ✓ $\triangle UVW \cong \triangle KVM \checkmark$

B. Answers

- ∠WXV ≅ ∠KVX ✓
- 3. ∠D ≅ ∠H **√**
- 2. $\angle TAC \cong \angle TAK \checkmark$
- **4**. ∠*E* ≅ ∠*K* ✓

Activity 3.4.2: ASA Triangle Congruence Postulate

Total points = 20

A. Answers

- ∠SUV ≅ ∠OUD ✓ $\overline{SU}\cong \overline{OU}$ \checkmark $/S \cong /O \checkmark$ $\triangle SUV \cong \triangle OUD \checkmark$
- 2. ∠DTU ≅ ∠STU **√** $\overline{\mathit{UT}}\cong\overline{\mathit{UT}}$ \checkmark ∠DUT ≅ ∠SUT ✓ $\triangle DTU \cong \triangle STU \checkmark$
- 3. $\angle RQS \cong \angle DSQ \checkmark$ $\overline{QS} \cong \overline{SQ} \checkmark$ $/RSQ \cong /DQS \checkmark$ $\triangle RQS \cong \triangle DSQ \checkmark$
- **4**. ∠*U* ≅ ∠*K* ✓ $\overline{UV} \cong \overline{KV} \checkmark$ $\angle UVW \cong \angle KVM \checkmark$ $\triangle UVW \cong \triangle KVM \checkmark$

B. Answers

- 1. ∠*WXV* ≅ ∠*KVX* ✓
- 3. ∠D ≅ ∠H **√**
- 2. ∠TAC ≅ ∠TAK ✓
- **4**. ∠*E* ≅ ∠*K* ✓

Activity 3.4.2: ASA Triangle Congruence Postulate Total points = 20

A. Answers

- 1. ∠SUV ≅ ∠OUD ✓ $\overline{SU} \cong \overline{OU} \checkmark$ ∠S ≅ ∠O **√** $\triangle SUV \cong \triangle OUD \checkmark$
- 2. ∠DTU ≅ ∠STU ✓ $\overline{UT} \cong \overline{UT} \checkmark$ $\angle DUT \cong \angle SUT \checkmark$

 $\triangle DTU \cong \triangle STU \checkmark$

- 3. $\angle RQS \cong \angle DSQ \checkmark$ $\overline{QS} \cong \overline{SQ} \checkmark$ $\angle RSQ \cong \angle DQS \checkmark$ $\triangle RQS \cong \triangle DSQ \checkmark$
- **4**. ∠*U* ≅ ∠*K* ✓ $\overline{UV} \cong \overline{KV} \checkmark$ $\angle UVW \cong \angle KVM \checkmark$ $\triangle UVW \cong \triangle KVM \checkmark$

B. Answers

- 1. ∠*WXV* ≅ ∠*KVX* ✓
- 3. ∠D≅∠H **√**
- 2. $\angle TAC \cong \angle TAK \checkmark$ 4. ∠*E* ≅ ∠*K* ✓

Activity 3.4.2: ASA Triangle Congruence Postulate

Total points = 20

A. Answers

- 1. ∠SUV ≅ ∠OUD ✓ $\overline{SU}\cong \overline{OU}$ \checkmark ∠*S* ≅ ∠*O* ✓
- $\triangle SUV \cong \triangle OUD \checkmark$ 2. ∠DTU ≅ ∠STU ✓
 - $\angle DUT \cong \angle SUT \checkmark$
- $\overline{UT}\cong \overline{UT}$ \checkmark $\triangle DTU \cong \triangle STU \checkmark$
- B. Answers
- 1. $\angle WXV \cong \angle KVX \checkmark$
- 3. ∠D≅∠H **✓**
- 2. $\angle TAC \cong \angle TAK \checkmark$
- 4. ∠*E* ≅ ∠*K* ✓

3. $\angle RQS \cong \angle DSQ \checkmark$

 $\angle RSQ \cong \angle DQS \checkmark$

 $\triangle RQS \cong \triangle DSQ \checkmark$

∠UVW ≅ ∠KVM **√**

 $\triangle UVW \cong \triangle KVM \checkmark$

 $\overline{\mathit{QS}}\cong\overline{\mathit{SQ}}$ \checkmark

4. ∠*U* ≅ ∠*K* ✓

 $\overline{\mathit{UV}}\cong\overline{\mathit{KV}}$ \checkmark

Activity 3.4.2: ASA Triangle Congruence Postulate

Total points = 20

A. Answers

- 1. ∠SUV ≅ ∠OUD ✓ *SU* ≅ *OU* ✓ ∠S≅∠O **√** $\triangle SUV \cong \triangle OUD \checkmark$
- 2. ∠DTU ≅ ∠STU ✓ $\overline{UT} \cong \overline{UT} \checkmark$ ∠DUT ≅ ∠SUT ✓ $\triangle DTU \cong \triangle STU \checkmark$
- 3. $\angle RQS \cong \angle DSQ \checkmark$ $\overline{QS} \cong \overline{SQ} \checkmark$ $\angle RSQ \cong \angle DQS \checkmark$ $\triangle RQS \cong \triangle DSQ \checkmark$
- **4**. ∠*U* ≅ ∠*K* ✓ $\overline{UV} \cong \overline{KV} \checkmark$ ∠UVW ≅ ∠KVM ✓ $\triangle UVW \cong \triangle KVM \checkmark$
- B. Answers
- 1. ∠*WXV* ≅ ∠*KVX* ✓
- 3. ∠D ≅ ∠H **√**
- 2. ∠TAC ≅ ∠TAK ✓
- **4**. ∠*E* ≅ ∠*K* ✓

Activity 3.4.2: ASA Triangle Congruence Postulate

Total points = 20

A. Answers

- 1. ∠SUV ≅ ∠OUD ✓ $\overline{SU} \cong \overline{OU} \checkmark$ $/S \cong /O \checkmark$
 - $\triangle SUV \cong \triangle OUD \checkmark$
- 2. ∠DTU ≅ ∠STU **√** $\overline{UT} \cong \overline{UT} \checkmark$
- ∠DUT ≅ ∠SUT ✓ $\wedge DTU \cong \wedge STU \checkmark$
- 3. $\angle RQS \cong \angle DSQ \checkmark$ $\overline{QS}\cong \overline{SQ}$ \checkmark $/RSQ \cong /DQS \checkmark$ $\triangle RQS \cong \triangle DSQ \checkmark$
- **4**. ∠*U* ≅ ∠*K* ✓ $\overline{UV} \cong \overline{KV} \checkmark$ ∠UVW ≅ ∠KVM ✓ $\triangle UVW \cong \triangle KVM \checkmark$
- B. Answers
 - 1. ∠*WXV* ≅ ∠*KVX* ✓
- 3. /D≅/H ✓
- 2. ∠TAC ≅ ∠TAK ✓
- **4**. ∠*E* ≅ ∠*K* ✓

Activity 3.4.2: ASA Triangle Congruence Postulate Total points = 20

A. Answers

- 1. ∠SUV ≅ ∠OUD ✓ $\overline{SU} \cong \overline{OU} \checkmark$ $\angle S \cong \angle O \checkmark$
 - $\triangle SUV \cong \triangle OUD \checkmark$
- 2. ∠DTU ≅ ∠STU ✓ $\overline{UT} \cong \overline{UT} \checkmark$ /DUT ≅ /SUT ✓ $\triangle DTU \cong \triangle STU \checkmark$
- 3. $\angle RQS \cong \angle DSQ \checkmark$ $\overline{QS} \cong \overline{SQ} \checkmark$ $\angle RSQ \cong \angle DQS \checkmark$ $\triangle RQS \cong \triangle DSQ \checkmark$
- **4**. ∠*U* ≅ ∠*K* ✓ $\overline{UV} \cong \overline{KV} \checkmark$ $\angle UVW \cong \angle KVM \checkmark$ $\triangle UVW \cong \triangle KVM \checkmark$
- B. Answers
- 1. ∠*WXV* ≅ ∠*KVX* ✓
- 3. ∠D≅∠H **√**
- 2. $\angle TAC \cong \angle TAK \checkmark$
- 4. ∠*E* ≅ ∠*K* ✓