Activity 3.3.1: Triangle Congruence

Total points = 17

B. Answers

True ✓

2. False ✓

3. True ✓

4. True ✓

5. False ✓

A. Answers

- 1. Corresponding Sides
 - $\overline{AB} \leftrightarrow \overline{HI} \checkmark$
 - $\overline{BC} \leftrightarrow \overline{IJ} \checkmark$
 - $\overline{AC} \leftrightarrow \overline{HJ} \checkmark$
 - Corresponding Angles
 - ∠A ↔ ∠H **√**
 - $\angle B \leftrightarrow \angle I \checkmark$ $/C \leftrightarrow /J \checkmark$
- 2. Corresponding Sides
 - $\overline{JK} \leftrightarrow \overline{XY}$ \checkmark
 - $\overline{KL} \leftrightarrow \overline{YZ} \checkmark$
 - $\overline{JL} \leftrightarrow \overline{XZ} \checkmark$
 - Corresponding Angles
 - $\angle J \leftrightarrow \angle X \checkmark$
 - $\angle K \leftrightarrow \angle Y \checkmark$
 - $\angle L \leftrightarrow \angle Z \checkmark$

Activity 3.3.1: Triangle Congruence

Total points = 17

A. Answers

- 1. Corresponding Sides
 - $\overline{AB} \leftrightarrow \overline{HI} \checkmark$

 - $\frac{\overline{BC}}{\overline{AC}} \leftrightarrow \overline{IJ} \checkmark$
 - Corresponding Angles
 - $\angle A \leftrightarrow \angle H \checkmark$
 - $\angle B \leftrightarrow \angle I \checkmark$
 - $\angle C \leftrightarrow \angle J \checkmark$
- 2. Corresponding Sides
 - $\overline{JK} \leftrightarrow \overline{XY} \checkmark$
 - $KL \leftrightarrow YZ \checkmark$
 - $\overline{JL} \leftrightarrow \overline{XZ} \checkmark$
 - Corresponding Angles
 - $\angle J \leftrightarrow \angle X \checkmark$
 - $\angle K \leftrightarrow \angle Y \checkmark$
 - $\angle L \leftrightarrow \angle Z \checkmark$

B. Answers

- 1. True 🗸
- 2. False ✓
- 3. True ✓
- 4. True ✓
- 5. False ✓

Activity 3.3.1: Triangle Congruence

Total points = 17

A. Answers

- 1. Corresponding Sides
 - $\overline{AB} \leftrightarrow \overline{HI} \checkmark$
 - $\overline{BC} \leftrightarrow \overline{IJ} \checkmark$
 - $\overline{AC} \leftrightarrow \overline{HJ} \checkmark$
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 - $\overline{JL} \leftrightarrow \overline{XZ} \checkmark$
 - Corresponding Angles
 - $\angle J \leftrightarrow \angle X \checkmark$
 - $\angle K \leftrightarrow \angle Y \checkmark$
 - ∠L ↔ ∠Z **√**

- B. Answers
 - 1. True 🗸
 - 2. False ✓
 - 3 True 🗸
- 4. True ✓
- 5. False ✓

Activity 3.3.1: Triangle Congruence Total points = 17

B. Answers

True ✓

2. False ✓

3. True ✓

4. True ✓

5. False ✓

A. Answers

- 1. Corresponding Sides
 - ĀB ↔ ĦĪ ✓

 - $\overline{BC} \leftrightarrow \overline{IJ} \checkmark$ $\overline{AC} \leftrightarrow \overline{HJ} \checkmark$
 - Corresponding Angles

 - ∠A ↔ ∠H **√**
 - $\angle B \leftrightarrow \angle I \checkmark$
 - $\angle C \leftrightarrow \angle J \checkmark$
- 2. Corresponding Sides $\overline{JK} \leftrightarrow \overline{XY} \checkmark$
 - $\overline{KL} \leftrightarrow \overline{YZ} \checkmark$

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 - Corresponding Angles $\angle J \leftrightarrow \angle X \checkmark$
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Activity 3.3.1: Triangle Congruence Total points = 17

B. Answers

1. True ✓

2. False ✓

3. True ✓

4. True ✓

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- A. Answers
- 1. Corresponding Sides

Corresponding Angles

- $\frac{\overline{AB}}{BC} \leftrightarrow \overline{\overline{IJ}} \checkmark$
- $\overline{AC} \leftrightarrow \overline{HJ} \checkmark$
- $\angle A \leftrightarrow \angle H \checkmark$
- $\angle B \leftrightarrow \angle I \checkmark$
- $\angle C \leftrightarrow \angle J \checkmark$
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 - $\overline{JK} \leftrightarrow \overline{XY} \checkmark$
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- A. Answers
 - 1. Corresponding Sides
 - $\overline{AB} \leftrightarrow \overline{HI} \checkmark$
 - $\frac{\overline{BC}}{\overline{AC}} \leftrightarrow \overline{IJ} \checkmark$

 - Corresponding Angles $\angle A \leftrightarrow \angle H \checkmark$
 - ∠B ↔ ∠I **√**
 - $\angle C \leftrightarrow \angle J \checkmark$ 2. Corresponding Sides
 - $\overline{JK} \leftrightarrow \dot{\overline{XY}} \checkmark$
 - $KL \leftrightarrow YZ \checkmark$ $\overline{JL} \leftrightarrow \overline{XZ} \checkmark$
 - Corresponding Angles
 - $\angle J \leftrightarrow \angle X \checkmark$
 - $\angle K \leftrightarrow \angle Y \checkmark$
 - $\angle L \leftrightarrow \angle Z \checkmark$

Activity 3.3.1: Triangle Congruence

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Total points = 17

- A. Answers
 - 1. Corresponding Sides $\overline{AB} \leftrightarrow \overline{HI} \checkmark$

 - $\frac{\overline{BC}}{\overline{AC}} \leftrightarrow \overline{IJ} \checkmark$
 - Corresponding Angles
 - ∠A ↔ ∠H **√** $\angle B \leftrightarrow \angle I \checkmark$
 - $\angle C \leftrightarrow \angle J \checkmark$
 - $\overline{JK} \leftrightarrow \overline{XY} \checkmark$
 - $\overline{\mathit{KL}} \leftrightarrow \overline{\mathit{YZ}} \checkmark$
 - $\overline{JL} \leftrightarrow \overline{XZ} \checkmark$ Corresponding Angles

2. Corresponding Sides

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- $\angle L \leftrightarrow \angle Z \checkmark$

Activity 3.3.1: Triangle Congruence

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- A. Answers
 - ĀB ↔ ĦI ✓
 - $\overline{BC} \leftrightarrow \overline{IJ} \checkmark$
 - $\overline{AC} \leftrightarrow \overline{HJ} \checkmark$ Corresponding Angles

1. Corresponding Sides

- ∠A ↔ ∠H **√**
- ∠B ↔ ∠I **√**
- $\angle C \leftrightarrow \angle J \checkmark$ 2. Corresponding Sides
 - $\overline{JK} \leftrightarrow \overline{XY}$ $\overline{KL} \leftrightarrow \overline{YZ} \checkmark$
- $\overline{JL} \leftrightarrow \overline{XZ} \checkmark$
- $\angle J \leftrightarrow \angle X \checkmark$

Corresponding Angles

- $\angle K \leftrightarrow \angle Y \checkmark$ $\angle L \leftrightarrow \angle Z \checkmark$
- 3. True ✓ 4. True ✓

B. Answers

True ✓

2. False ✓

- 5. False ✓