Triangle Congruence Total points = 17

Problem Set

- A. 1. Corresponding Sides $\overline{AB} \leftrightarrow \overline{HI} \checkmark$ $\frac{\overline{BC}}{\overline{AC}} \leftrightarrow \frac{\overline{IJ}}{\overline{HJ}} \checkmark$ Corresponding Angles $\angle A \leftrightarrow \angle H \checkmark$ $\angle B \leftrightarrow \angle I \checkmark$ $\angle C \leftrightarrow \angle J \checkmark$ 2. Corresponding Sides $\overline{JK} \leftrightarrow \overline{XY} \checkmark$
 - $\frac{\overline{KL}}{\overline{JL}} \leftrightarrow \frac{\overline{YZ}}{\overline{ZZ}} \checkmark$ Corresponding Angles $\angle J \leftrightarrow \angle X \checkmark$ $\angle K \leftrightarrow \angle Y \checkmark$ $\angle L \leftrightarrow \angle Z \checkmark$
- B. 1. True ✓ 4. True ✓ 2. False ✓ 3. True ✓ 5. False ✓

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Problem Set

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

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

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

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