

Lesson 4.3

Homework Answers

Pg 197 - #1-25 odd, 29-33 odd, 42-45

Pg 201 - #1-10

<p><u>Pg 197</u></p> <p>1) $\triangle PQR \cong \triangle VWX$</p> <p>3) \overline{RS}</p> <p>5) yes</p> <p>7) yes</p> <p>9) AAS</p> <p>11) not possible</p> <p>13) a) $\angle UWV$ b) \overline{UW} c) right d) Reflexive</p> <p>15) $\overline{MU} \cong \overline{UN}$</p> <p>17) $\angle WZV \cong \angle WZY$</p> <p>19) $\triangle PMO \cong \triangle NMO$; ASA</p> <p>21) $\triangle ZVY \cong \triangle WVY$; AAS</p> <p>23) The Δ's are not \cong because no sides are \cong .</p> <p>25) The Δ's are not \cong because the \cong \angle's are not included \angle's</p> <p>29) a) Defn. of \perp b) All right \angle's are \cong c) $\angle QTP \cong \angle STR$ d) Defn. of midpoint e) AAS</p> <p>31) Yes; AAS since $\angle MON \cong \angle QOP$</p>	<p>33) Yes; ASA since $\angle EAB \cong \angle DBC$ because \parallel lines have \cong corr. \angle's</p> <p>42) D</p> <p>43) F</p> <p>44) a) $\angle RPQ \cong \angle SPQ$, $\angle RQP \cong \angle SQP$ Defn of \angle bisector.</p> <p>b) ASA</p> <p>45) a) Defn of midpoint</p> <p>b) Yes; $\angle JLM \cong \angle KGM$ because they're alt int \angle's of \parallel lines $\angle LMJ \cong \angle GMK$ because vert. \angle's are \cong . So the Δ's are \cong by ASA</p> <p>c) Yes; if two \angle's of one Δ are \cong to 2 \angle's of another Δ , the 3rd \angle's are \cong .</p>
---	---

Lesson 4.3

Homework Answers

Pg 197 - #1-25 odd, 29-33 odd, 42-45

Pg 201 - #1-10

Pg 201

1) $\overline{RS} \cong \overline{JK}$

$$\overline{ST} \cong \overline{KL}$$

$$\overline{RT} \cong \overline{JL}$$

$$\angle R \cong \angle J$$

$$\angle S \cong \angle K$$

$$\angle T \cong \angle L$$

2) ASA

3) SSS

4) SAS

5) not possible

6) AAS

7) not possible

8) If \parallel lines, then alt, int. \angle 's are \cong

9) Vert. \angle 's are \cong

10) ASA or AAS