

HW 10/27/16 Pages 266-268 #'s 1-25 All

- ②  $\triangle QST \sim \triangle RSP$ , AA ~ Postulate  
 ④  $\triangle MNP \sim \triangle MRQ$ , SAS ~ Postulate  
 ⑥  $\triangle UVW \sim \triangle YXW$ , AA ~ Post

$WY = 11.25$

⑧

St.	Reasons
① $SQ = ZQP, TR = ZRP$	① Given
② $SP = SQ + QP$ $TP = TR + RP$	② Seg + Post
③ $SP = 2QP + QP$ $TP = 2RP + RP$	③ Substitution
④ $SP = 3QP, TP = 3RP$	④ Simplify
⑤ $\frac{SP}{QP} = \frac{3}{1} \quad \frac{TP}{RP} = \frac{3}{1}$	⑤ Div Prop of =
⑥ $\angle P \cong \angle P$	⑥ Reflexive Prop of $\cong$
⑦ $\triangle PQR \sim \triangle PST$	⑦ SAS ~ Th.

⑩ 1200 m

- ⑫  $\triangle ABC \sim \triangle DEF$ , AA ~ Theorem  
 ⑭  $\triangle UVW \sim \triangle XYZ$ , SSS ~ Theorem  
 ⑯  $\triangle PST \sim \triangle PVW$ , AA ~ THEOREM  $PS = 8$

⑰

- ②  $\angle R \cong \angle R$  Reflexive Prop of  $\cong$   
 ③  $\triangle PQR \sim \triangle MUR$  SAS ~ Th.  
 ④  $\angle 1 \cong \angle 2$  Def of  $\sim \Delta$ 's

⑳ Yes SAS

㉑ NO

㉒ 7