

Geo Ch 6 Review (continued)

15b) $AC = 2(13) = 26$

16. $AC = 7 + 12 = 19$

17. $AC = 2 + 2 = 4$

18. $WV = 2(3) = 6$

19. $TE = 2(3) = 6$

20. $ZU = 3$

21. Given: $ABCD$ is a $\square$

Prove: $\overline{AB} \cong \overline{CD}$, $\overline{AD} \cong \overline{CB}$

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1. $ABCD$ is a $\square$

1. Given

2. $\overline{AB} \parallel \overline{DC}$, $\overline{AD} \parallel \overline{BC}$

2. def of $\square$

3. $\angle BAC \cong \angle DCA$

3. If 2H, alternate

$\angle DAC \cong \angle BCA$

interior $\angle$'s $\cong$

4. $\overline{AC} \cong \overline{CA}$

4. Reflexive PC

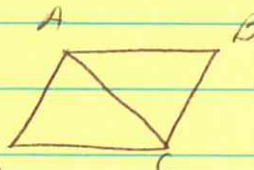
5. $\triangle BAC \cong \triangle DCA$

5. ASA

6. $\overline{AB} \cong \overline{CD}$

6. CPCTC

$\overline{AD} \cong \overline{CB}$



22. Given: $ABCD$ is a $\square$

Prove: $\angle B \cong \angle D$

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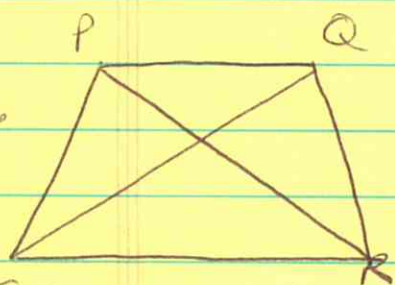
STEPS

Same as # 21

6. $\angle B \cong \angle D$

6. CPCTC

23.



$\triangle$'s Separated

Given: $PQRS$ is an isosceles trapezoid

Prove: $\overline{PR} \cong \overline{QS}$

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1. $PQRS$ is an isosceles trapezoid

1. Given

2. $\overline{PS} \cong \overline{QR}$

2. def of IT

3. $\angle PSR \cong \angle QRS$

3. Base $\angle$'s of IT are $\cong$

4. $\overline{SR} \cong \overline{RS}$

4. Reflexive PC

5. $\triangle PSR \cong \triangle QRS$

5. SAS

6. $\overline{PR} \cong \overline{QS}$

6. CPCTC

