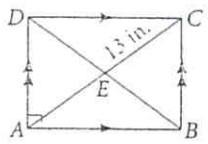
Geometry

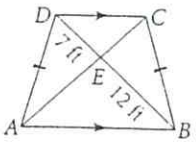
Chapter 6 Review

Find AC for each quadrilateral. Justify with math or a theorem.

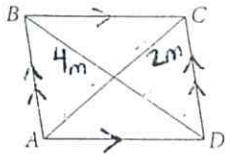
15. b)



16.



17.

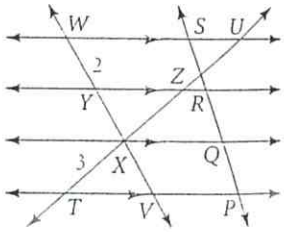


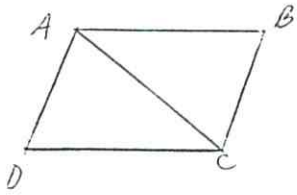
In the figure, the horizontal lines are parallel and $PQ = QR = RS$. Find each length. Show work.

18. *WV*

19. *TZ*

20. *ZU*





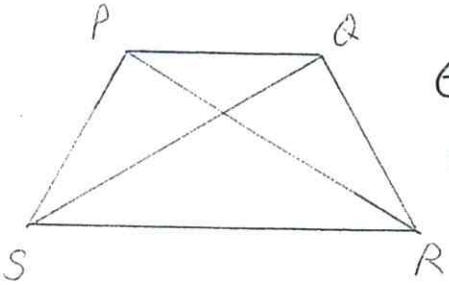
21. *Opposite sides of a parallelogram are congruent.*

Given: ABCD is a parallelogram
Prove: $\overline{AB} \cong \overline{CD}$, $\overline{AD} \cong \overline{CB}$

22. *Opposite angles of a parallelogram are congruent.*

Given: ABCD is a parallelogram
Prove: $\angle B \cong \angle D$

23. *Diagonals of an isosceles trapezoid are congruent.*



Given: PQRS is an isosceles trapezoid
Prove: $\overline{PR} \cong \overline{QS}$

21-23 Prove each w/ a 2 column proof