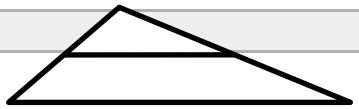
Geometry

6.4 The Triangle Midsegment Theorem

Midsegment of a Triangle

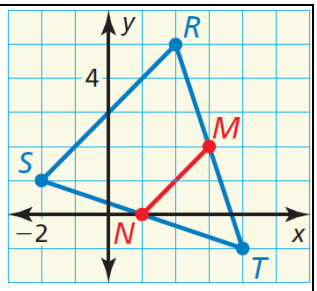


- Segment that connects the _____ of two _____ of a triangle

Midsegment Theorem

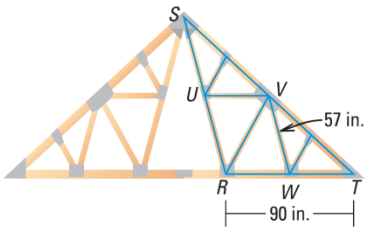
The midsegment of a triangle is _____ to the _____ side and is _____ as long as that _____.

In △RST, show that midsegment $\overline{MN}$ is parallel to $\overline{RS}$ and that $MN = \frac{1}{2}RS$.



Name the midsegments.

Draw the third midsegment.



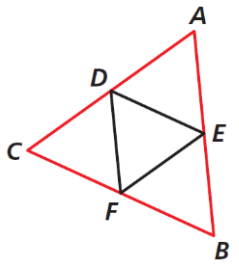
Let UW be 81 inches. Find VS.

Geometry 6.4

Name: _____

Given: $CF = FB \text{ and } CD = DA$

Prove: $\overline{DF} \parallel \overline{AB}$



Statements	Reasons
1.	1.
2.	2.
3.	3.
4.	4.

Assignment: 321 #2, 6, 7, 8, 9, 10, 11, 12, 14, 16, 17, 18, 19, 20, 23, 24, 25, 27, 28, 31 = 20 total