Unit 7 Relationships with Triangles

Date	Target	Assignment	Done!
M 1-8		Pre Assessment	
T 1-9	7.1a	7.1a Worksheet	
W 1-10	7.1b	7.1b Worksheet	
R 1-11	Quiz	Quiz 7.1	
F 1-12	7.2	7.2 Worksheet	
M 1-15		NO SCHOOL – MLK BIRTHDAY	
T 1-16	Rev	7.2 Review	
W 1-17	Quiz	Quiz 7.2	
R 1-18	Rev	Unit 7 Test Review	
F 1-19	Test	Unit 7 Test	

Target 7.1: Use the midsegment and proportionality to determine unknown information of triangles

Target 7.2: Prove and apply properties of similarity in triangles AA, SSS, SAS

Name:

7.1a – Use Proportionality Theorems

Target 1 – Use the midsegment and proportionality to determine unknown information of triangles



Example 2: Find the length of a segment

A farmer's land is divided by a newly constructed interstate. The distance shown is in meters. Find the distance CA between the North Border and the South Border of the farmer's land.



2) No, the sides of the triangle are not

ו) אר = 33 **גסת<u>ו</u>ואאסש**

Target 1 – Use the midsegment and proportionality to determine unknown information of



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Unit 7 Relationships with Triangles 2017-2018 *Example 2: Applying the midsegment theorem*







Unit 7 Relationships with Triangles 2017-2018 *Example 2: Show that triangles are similar*

Honors Geometry

Annotate Here

B) Prove: ΔLMN and ΔNOP are similar



 Statements
 Reason

 1
 1

 2
 2

 3
 3

 4
 4

 5
 5

No<u>y try now!</u>

Determine whether the triangles are similar. If they are, write a similarity statement. 1) p_{R} 2) R





Side-Side-Side (SSS) Similarity





