

Name:

Class:

Topic:

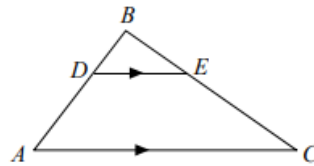
Date:

Main Ideas/Questions

Notes

# Triangle Proportionality THEOREM

- If a line is parallel to one side of a triangle and intersects the other two sides, then it divides the sides into segments of proportional lengths.



If \_\_\_\_\_,

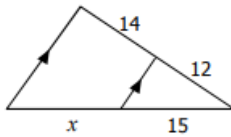
then \_\_\_\_\_.

- **Converse of the Triangle Proportionality Theorem:**

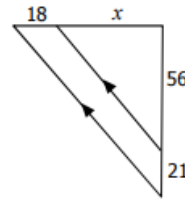
If \_\_\_\_\_, then \_\_\_\_\_.

Directions: Find the value of  $x$ .

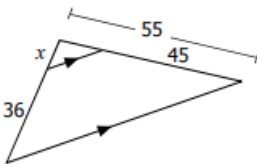
1.



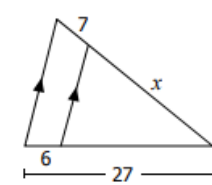
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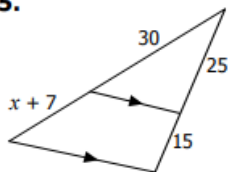
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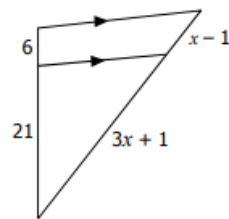
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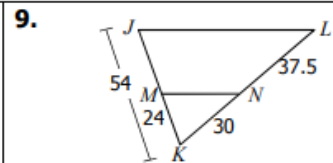
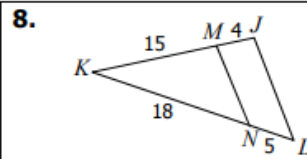
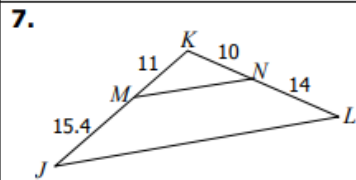
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6.

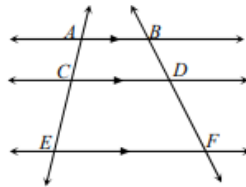


**Directions:** Determine if  $\overline{MN}$  is parallel to  $\overline{JL}$ .



## Proportional Parts and PARALLEL LINES

- If three or more parallel lines intersect two transversals, then they cut off the transversals proportionally.



If \_\_\_\_\_,

then \_\_\_\_\_.

**Directions:** Find the value of  $x$ .

