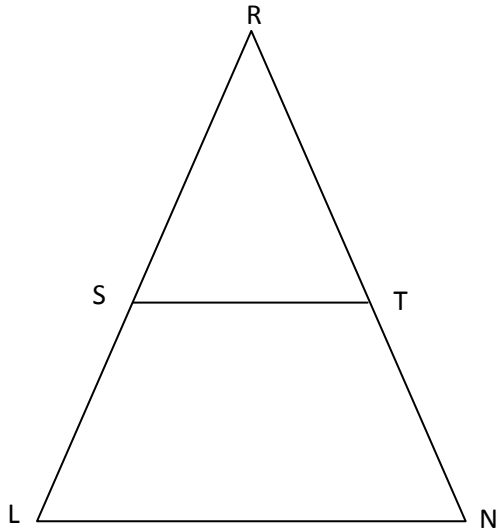


Geometry – Standard G.SRT.3 – Take-Home Practice

1. Explain the AA similarity postulate.

2.



- a. Suppose that $\overline{RS} \parallel \overline{LN}$.

Use AA similarity postulate to explain why $\triangle RST \sim \triangle RNL$.

- b. Suppose that $RN = 25$ and $RT = 15$. Make a conjecture about what you would expect RS and RL to be. Support your conjecture with at least one definition, a theorem, or a postulate.

3. Use a postulate explain why $\triangle WXY \sim \triangle WZY$.

What is the scale factor? (No measuring allowed!)

