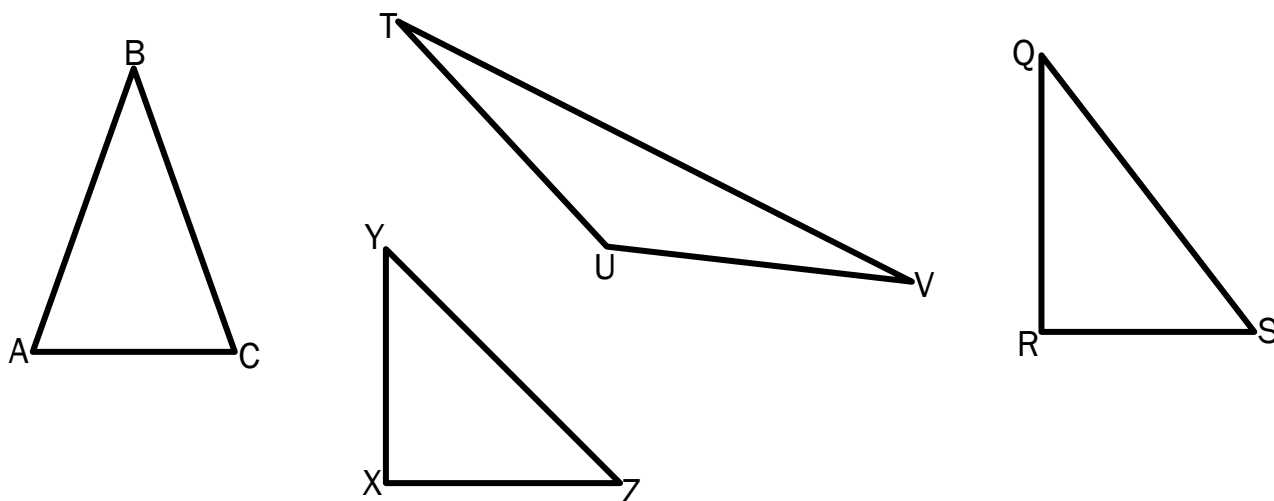


Performance Task: 4.7C Angle Measures: Making Sailboats

Hugo and his dad are building models of sailboats. His dad explains that only triangular sails with the following characteristics should be used for the models.

- Must have at least one angle measuring exactly 40°
- Must have exactly one line of symmetry

Which triangle(s) below can be used for the sailboats? Justify your reasoning.



Procedural	0	1	2
Conceptual	0	1	2
Communication	0	1	2

Total points: _____

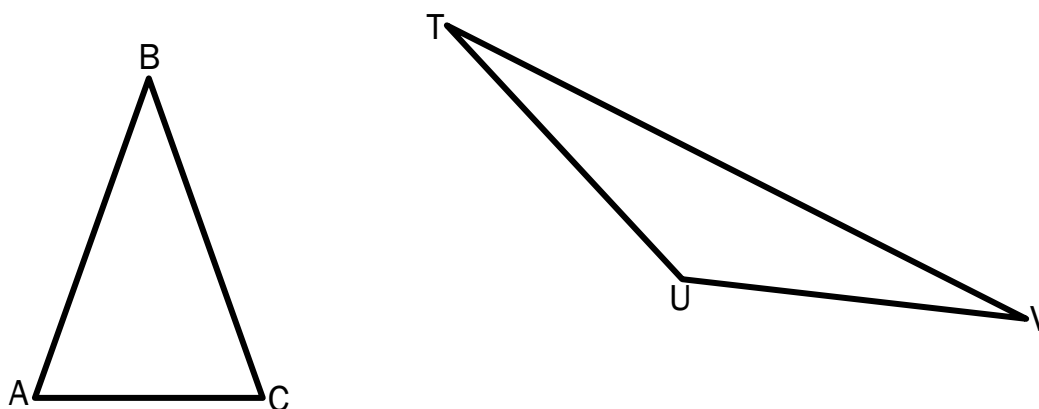


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Conceptual	0	1	2
Communication	0	1	2

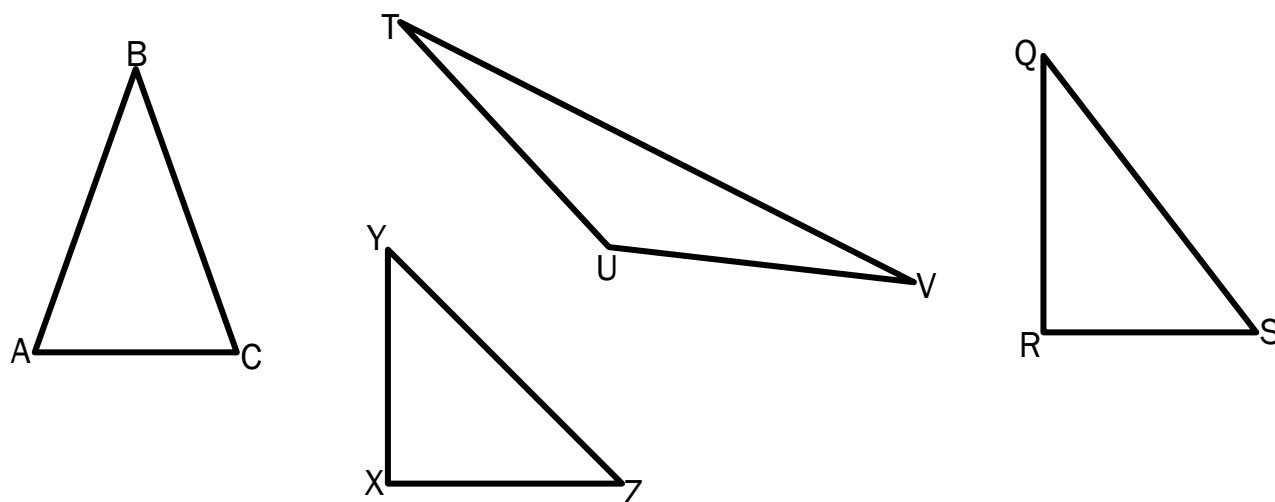
Total points: _____

Performance Task: 4.7C
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Classify each triangle based on its angle measures. Justify your reasoning.

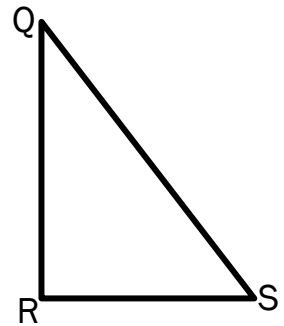
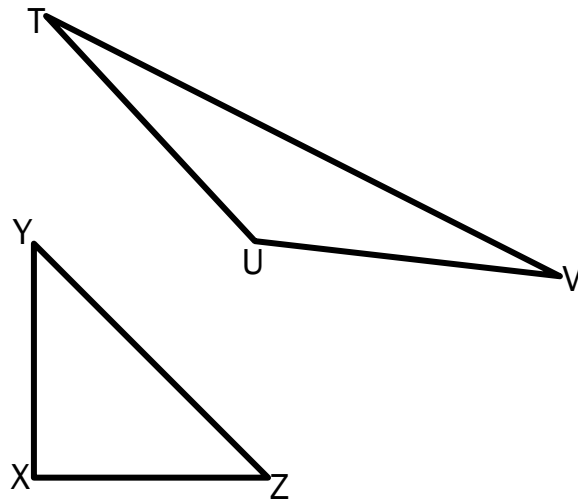
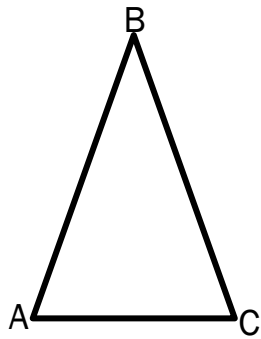
Procedural	0	1	2
Conceptual	0	1	2
Communication	0	1	2

Total points: _____

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1. Define line of symmetry.

2. Determine if each triangle above has exactly one line of symmetry.



Name _____ Date _____

3. Measure the angles in each triangle with exactly one line of symmetry.

4. Only triangles with exactly one angle that measures 40° and exactly one line of symmetry can be used for the model sailboats. Which triangle(s) above can be used?

