

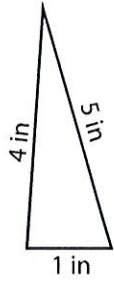
Name : _____

Triangle Inequality Theorem

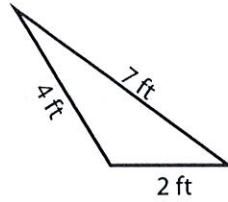
Sheet 1

Applying triangle inequality theorem, identify whether the triangle is possible or not possible with the given measures. **possible = yes** **not possible = no**

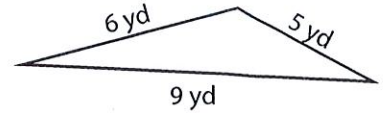
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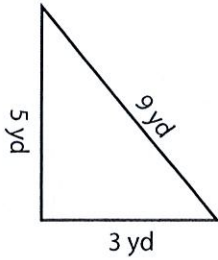
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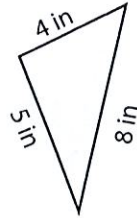
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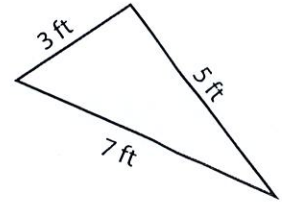
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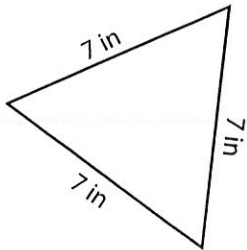
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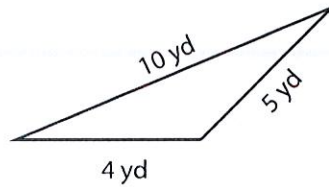
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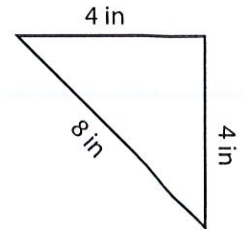
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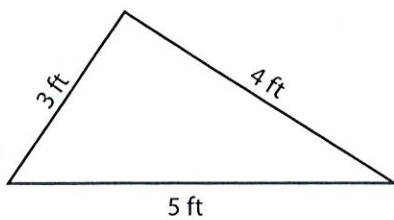
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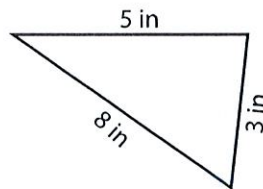
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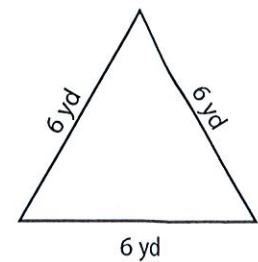
10)



11)

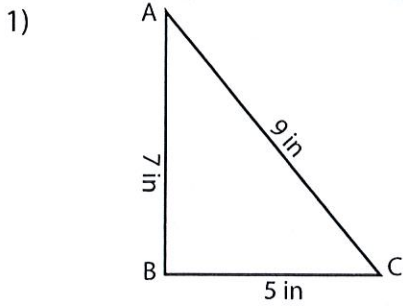


12)

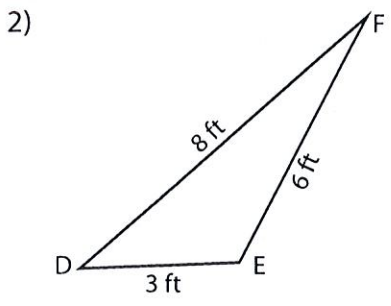


Largest angle is always opposite to the longest side.
 Smallest angle is always opposite to the shortest side.

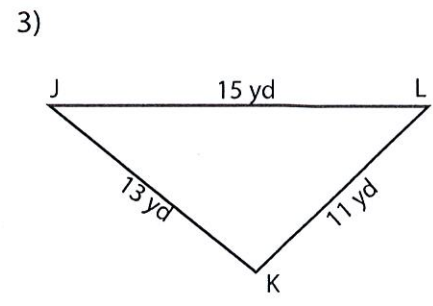
★ A) Identifying smallest and largest angle for each triangle.



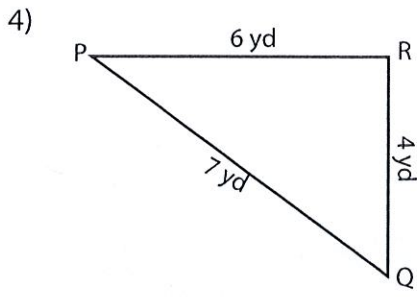
Largest angle = ∠B
 Smallest angle = ∠C



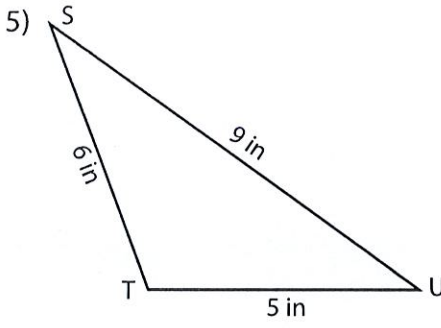
Largest angle = _____
 Smallest angle = _____



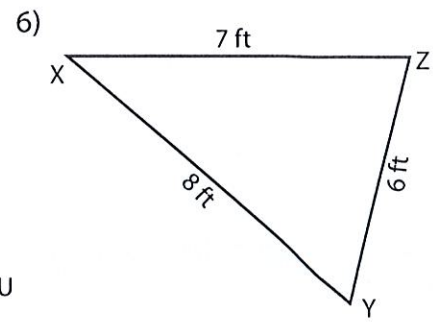
Largest angle = _____
 Smallest angle = _____



Largest angle = _____
 Smallest angle = _____

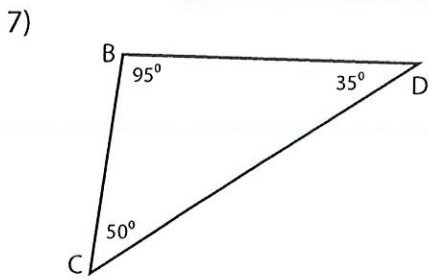


Largest angle = _____
 Smallest angle = _____

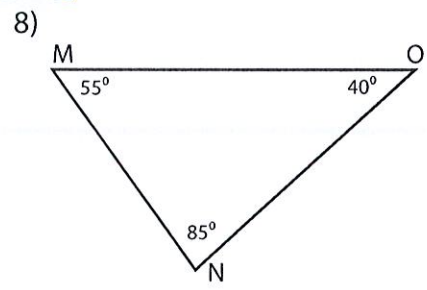


Largest angle = _____
 Smallest angle = _____

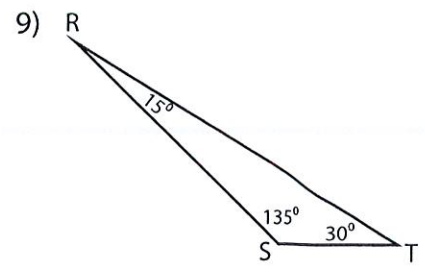
★ B) Identifying shortest and longest side for each triangle.



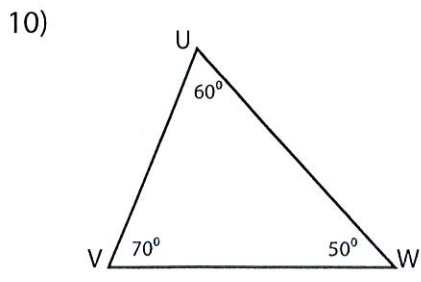
Longest side = CD
 Shortest side = _____



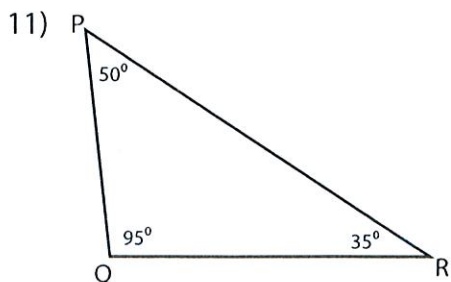
Longest side = _____
 Shortest side = _____



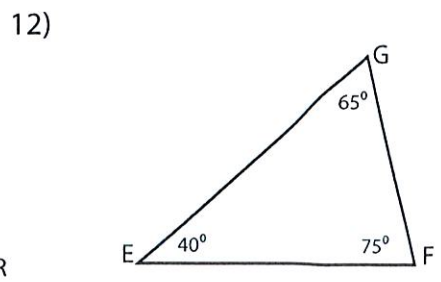
Longest side = _____
 Shortest side = _____



Longest side = _____



Longest side = _____



Longest side = _____

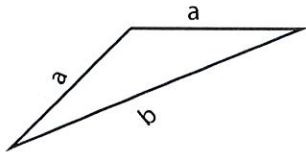
Name : _____

Identifying Triangles

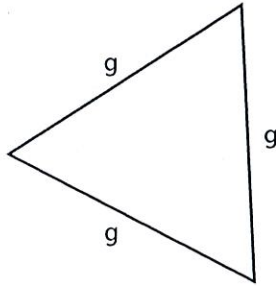
Sides & Angles-variables: S1

Identify each triangle based on both sides and angles.

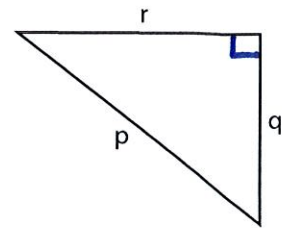
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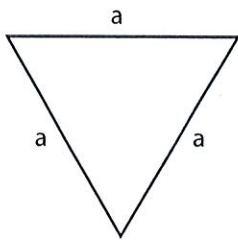
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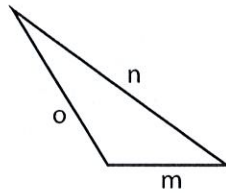
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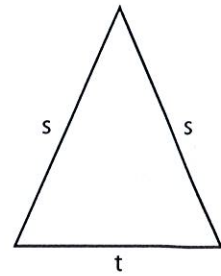
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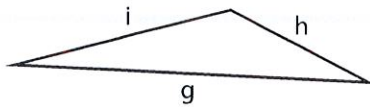
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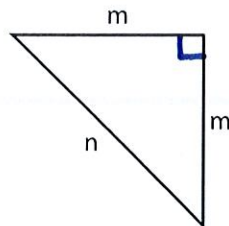
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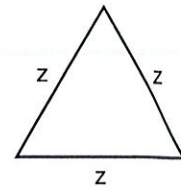
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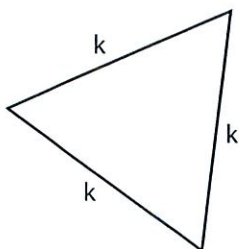
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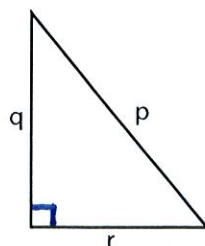
9)



10)



11)



12)

