

# Sine Rule Discovery

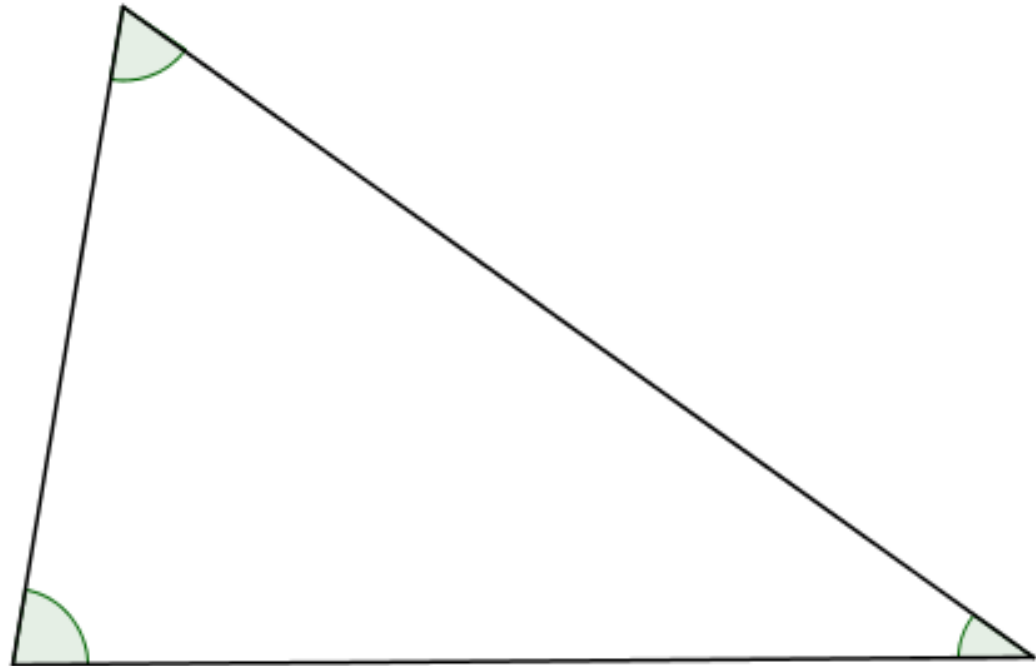
Measure the side lengths and angles of the triangle as accurately as you can.

Calculate the ratio

$$\frac{\text{length of side}}{\sin(\text{angle opposite})}$$

for each side:

<input type="text"/>	=	<input type="text"/>
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Construct the circle that goes through the three vertices.

Measure its diameter: \_\_\_\_\_

Can you justify your findings?

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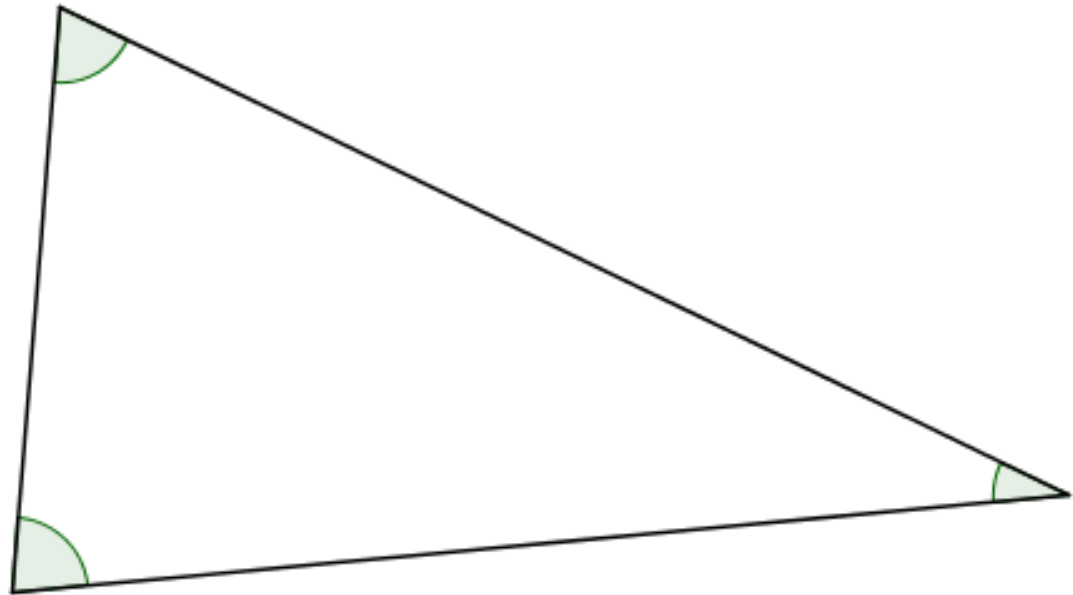
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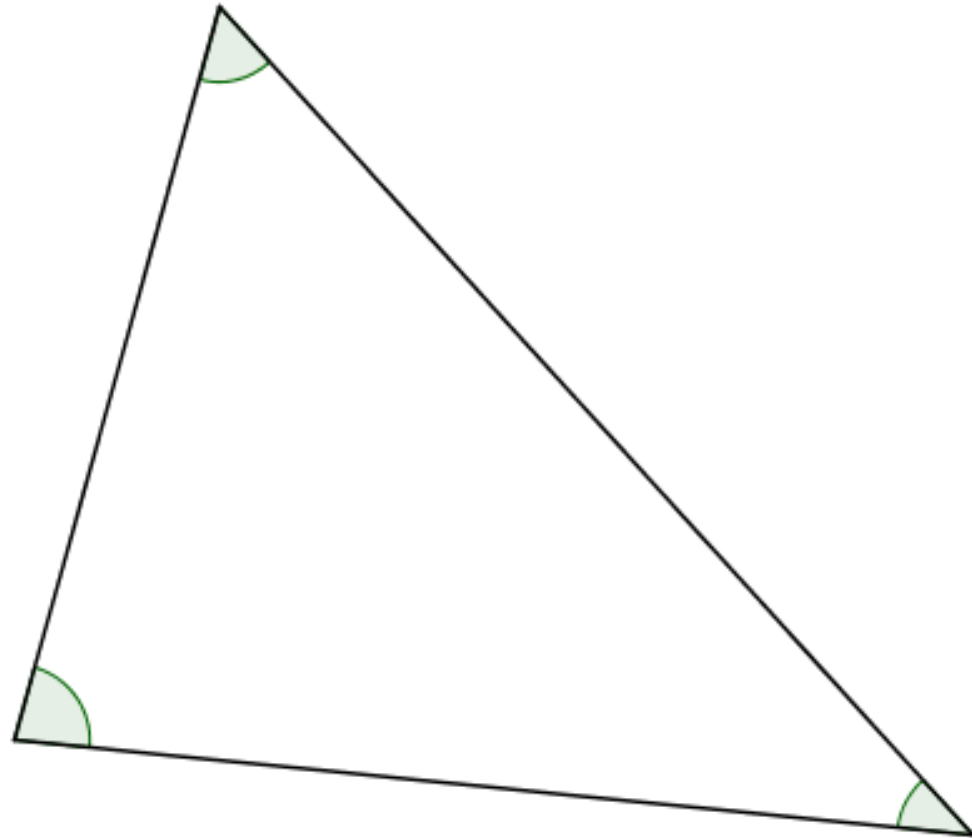
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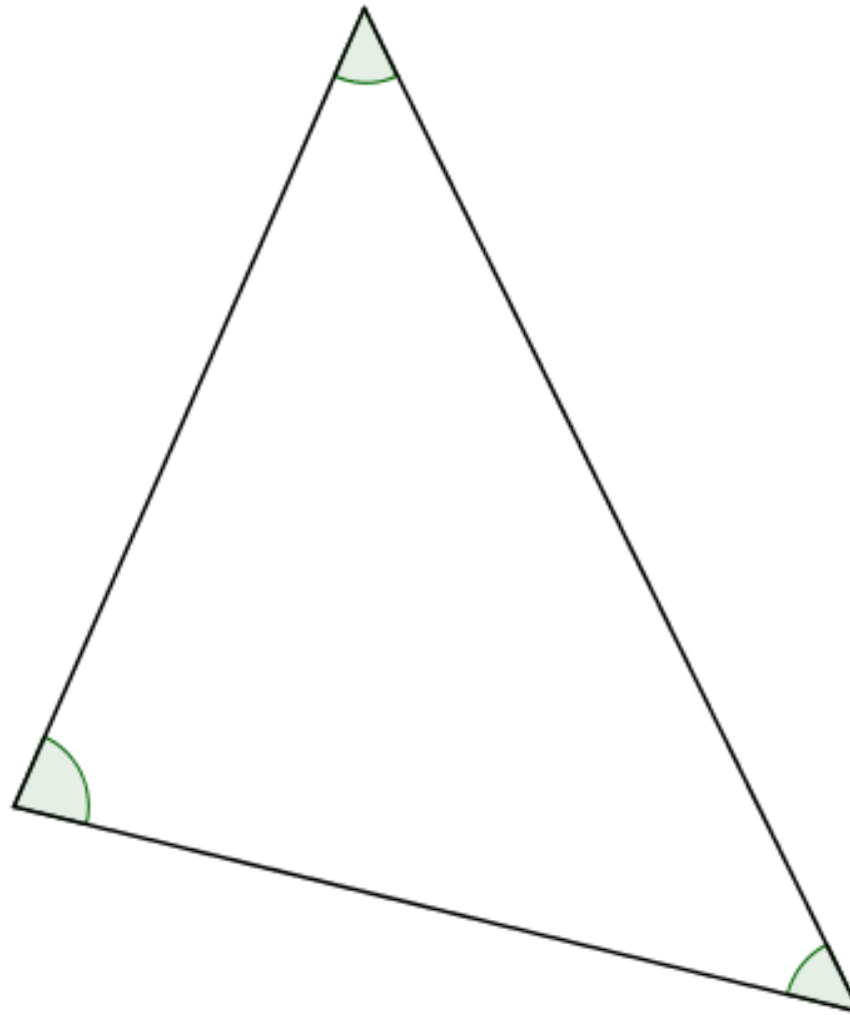
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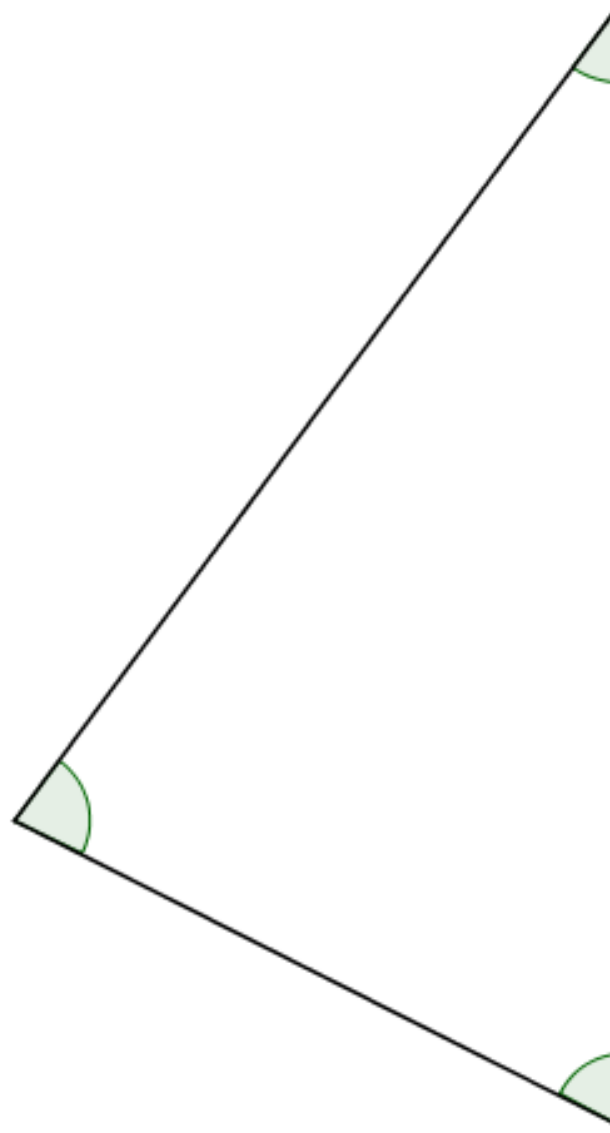
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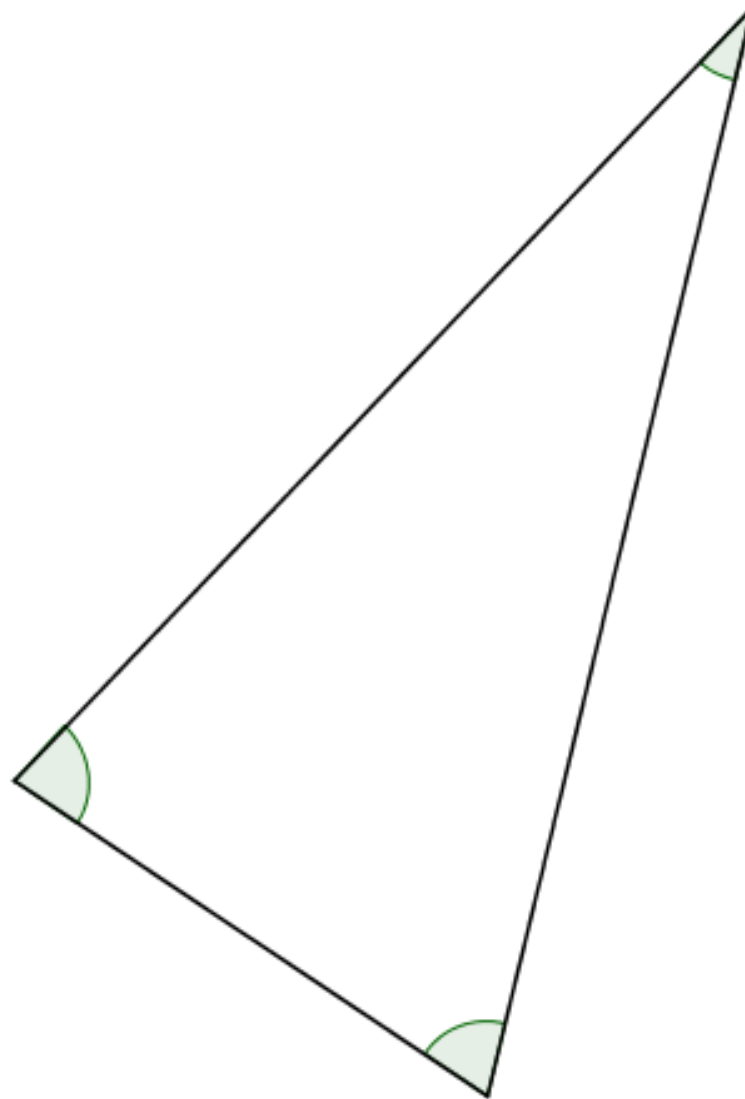
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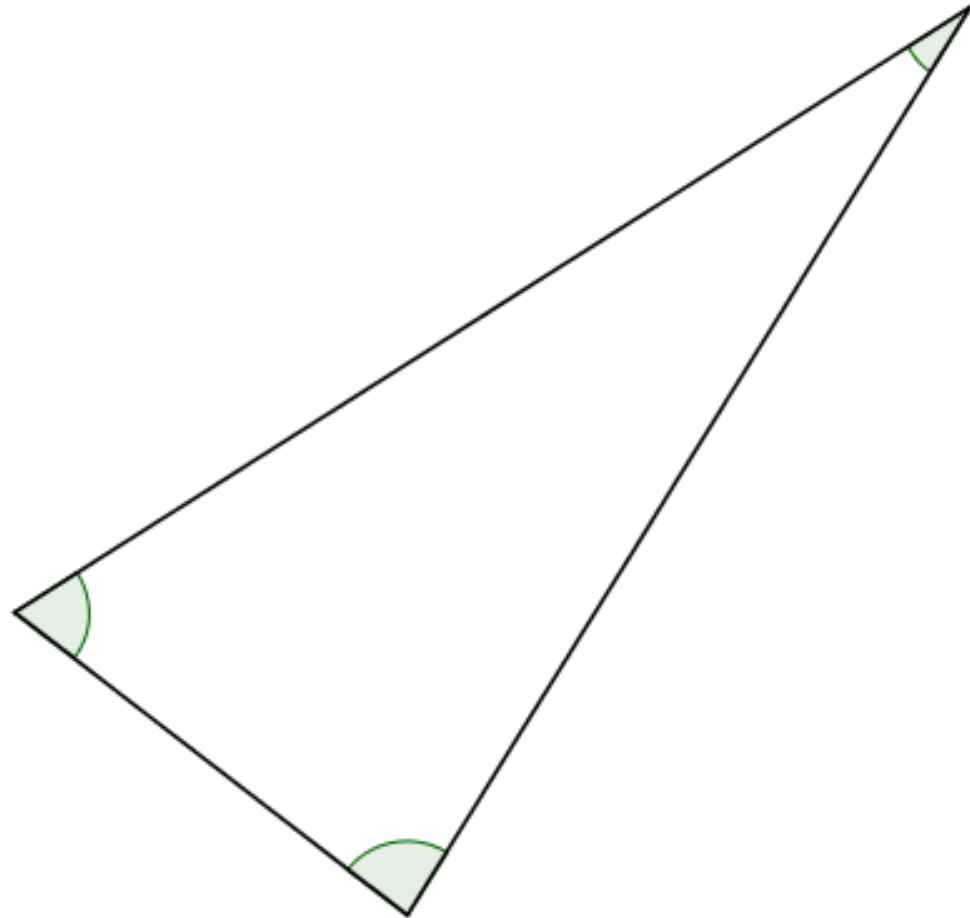
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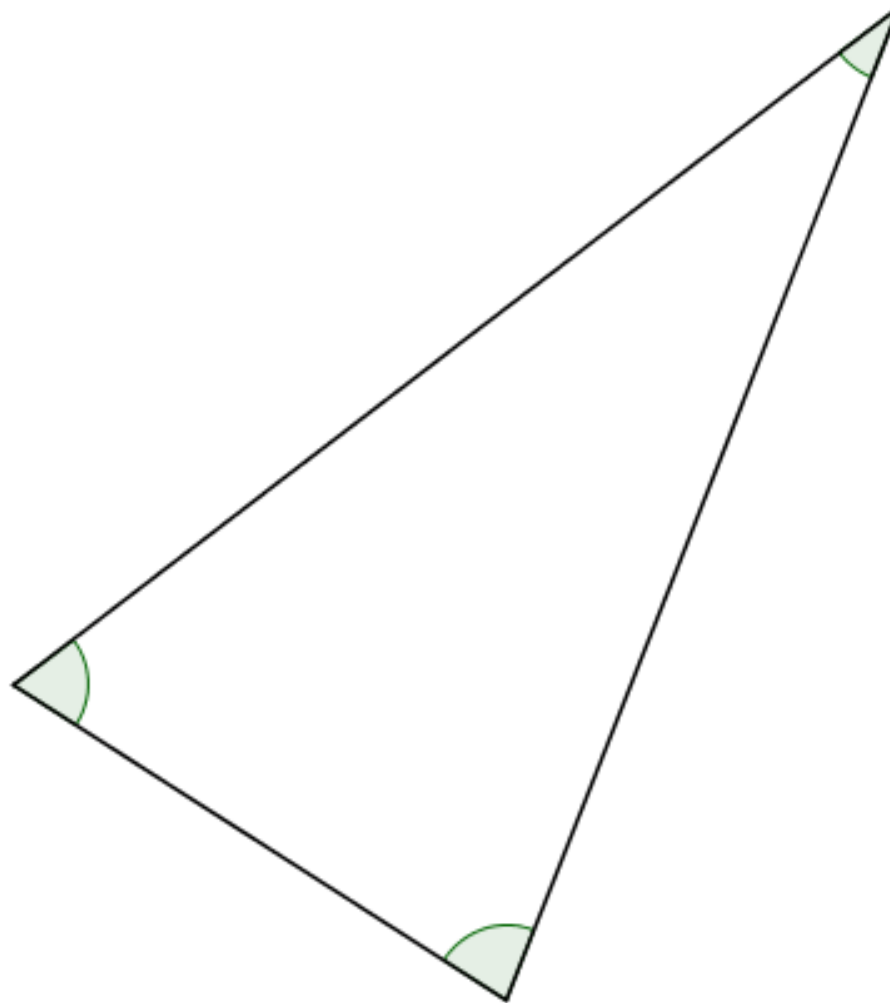
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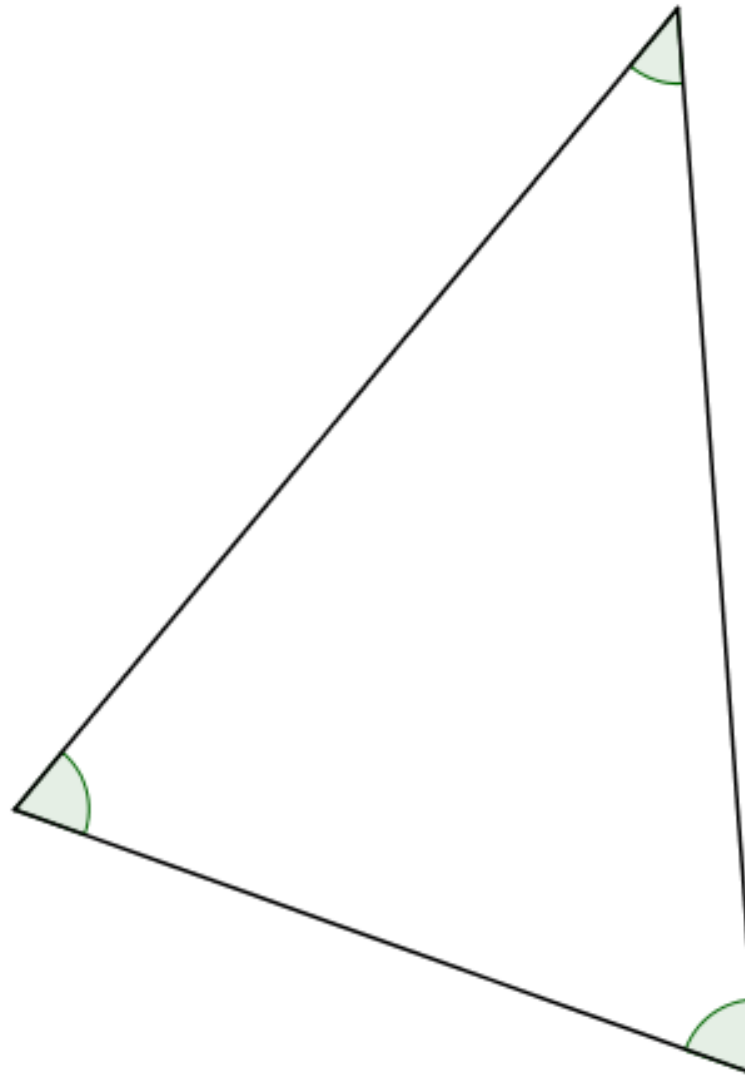
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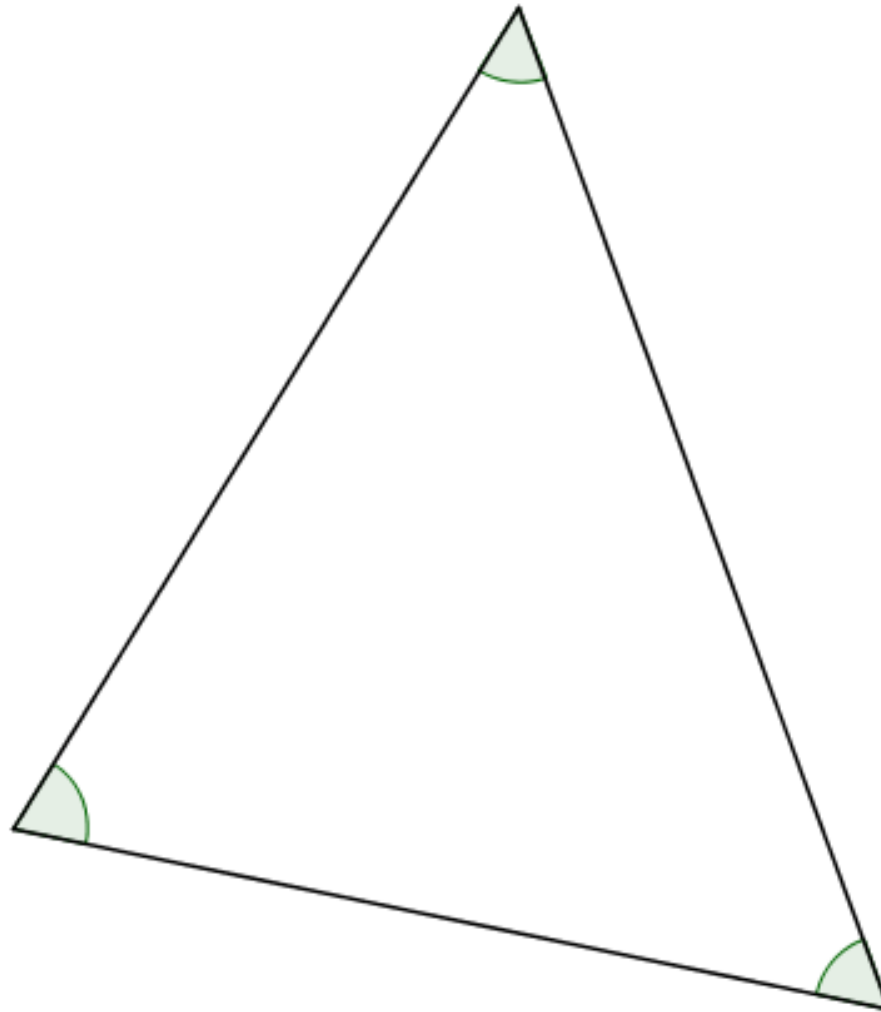
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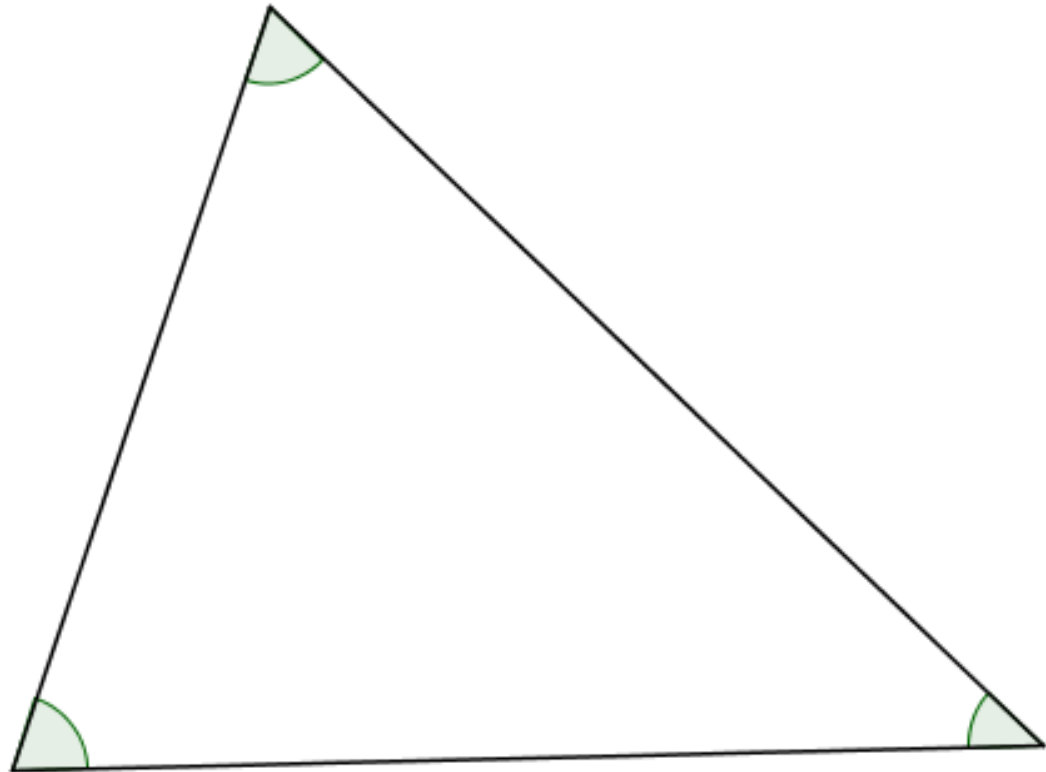
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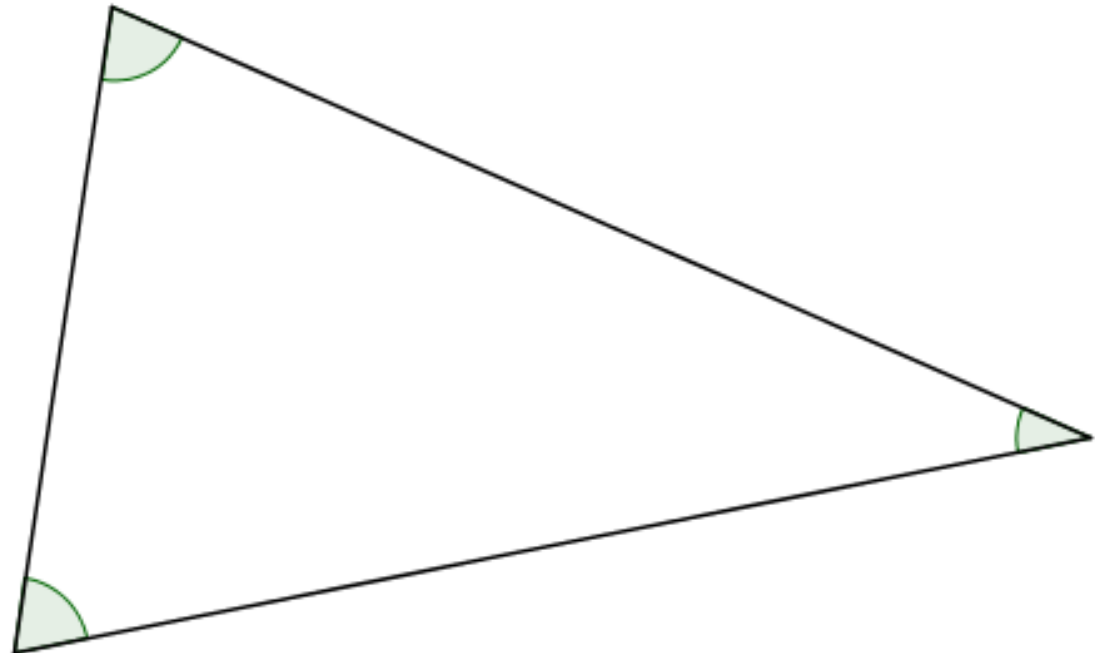
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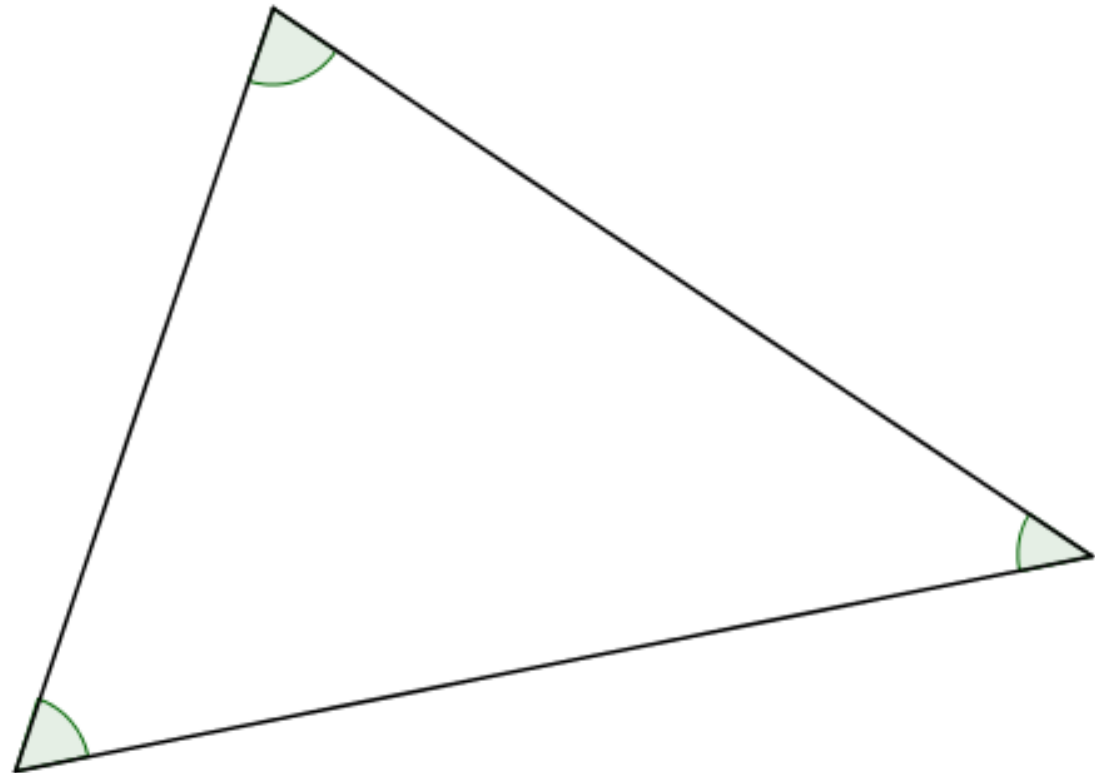
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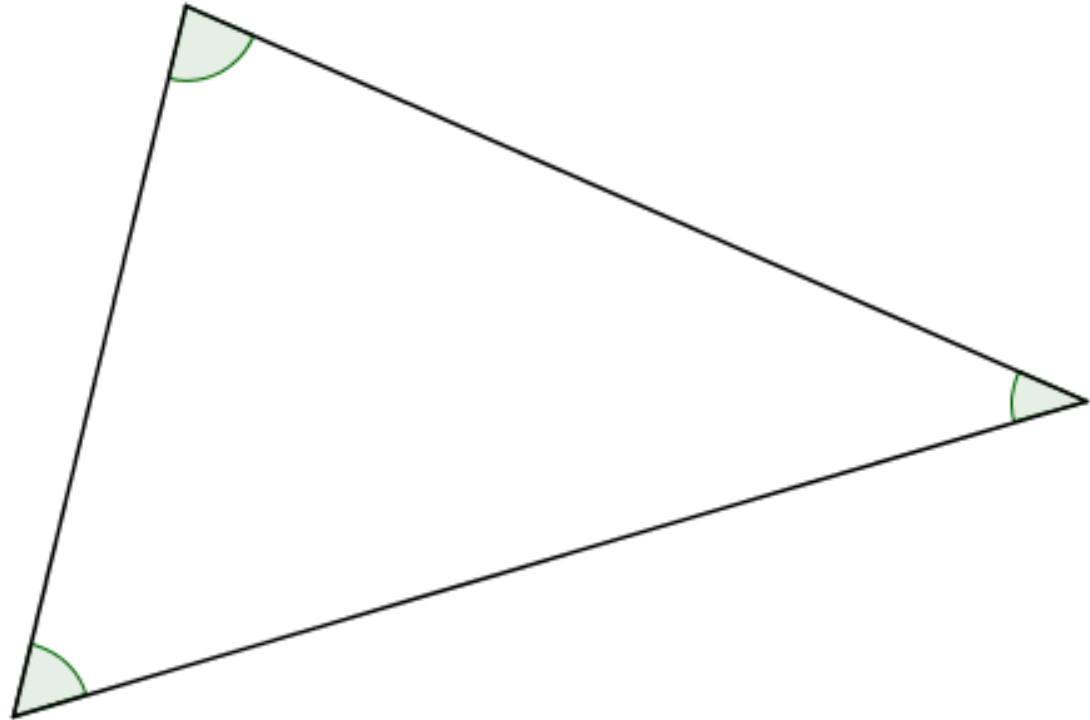
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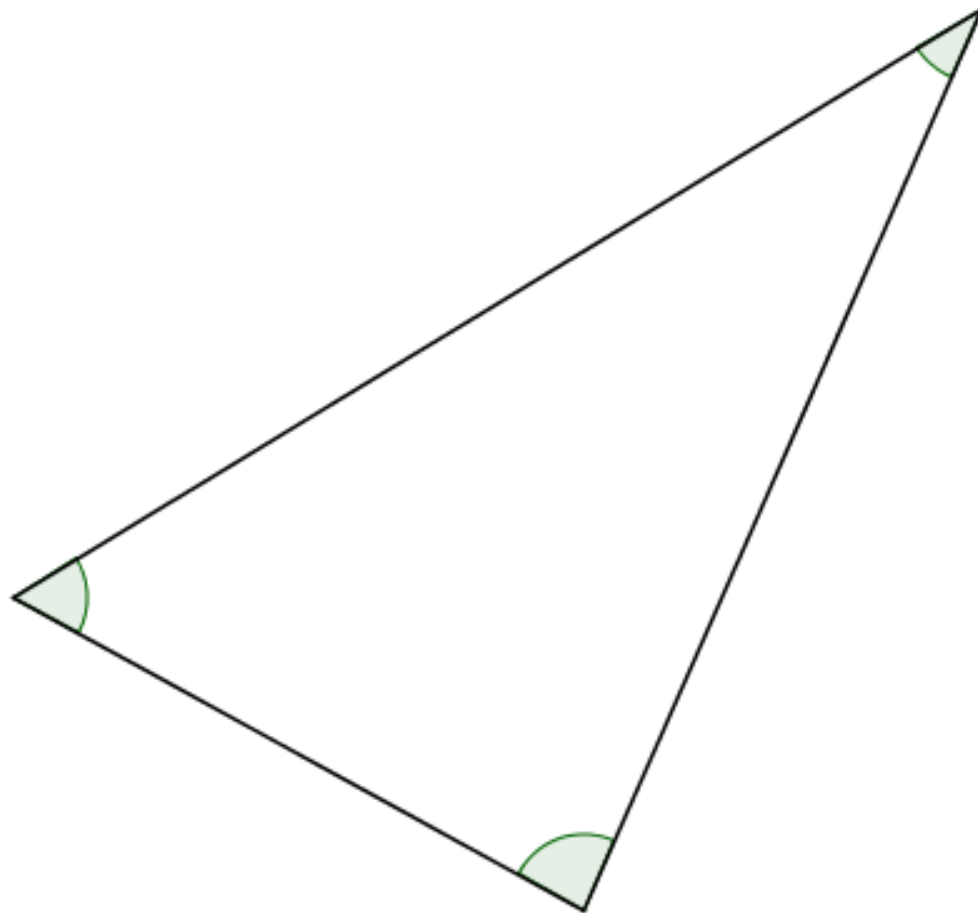
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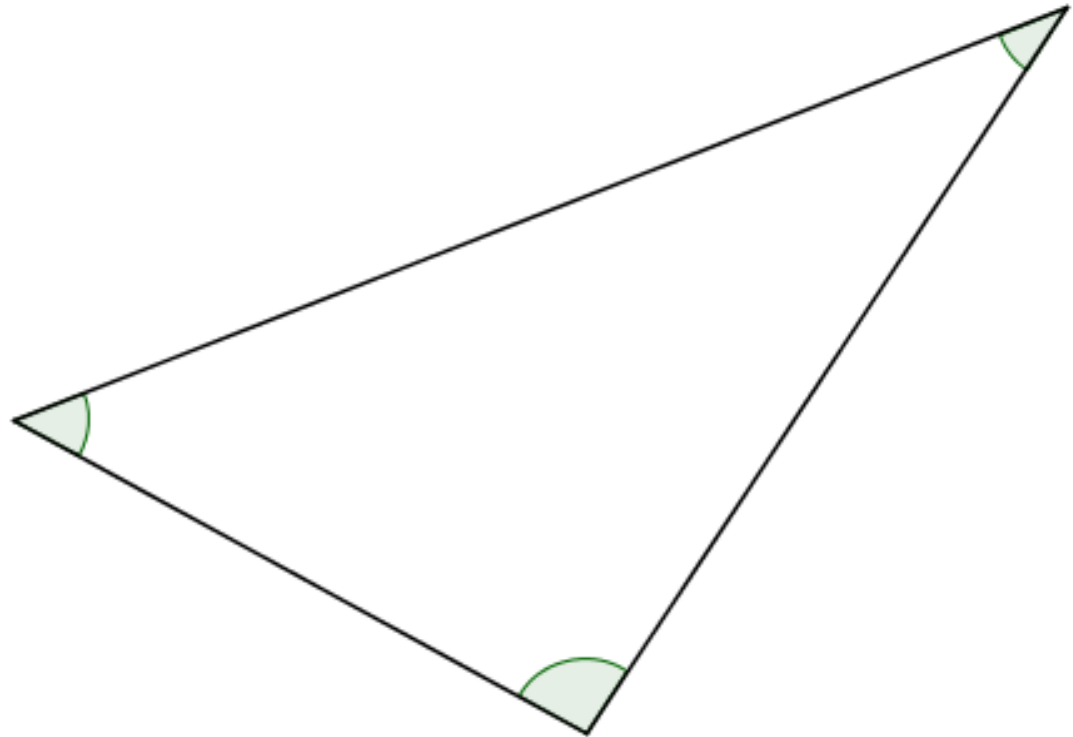
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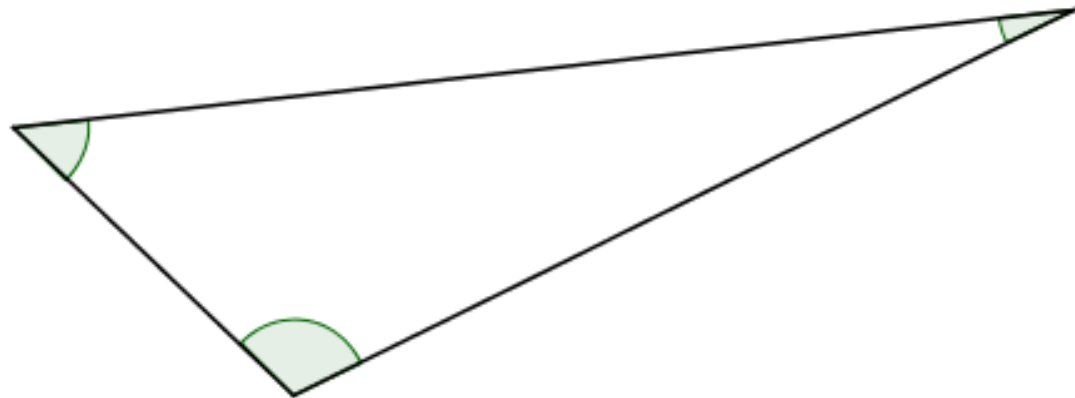
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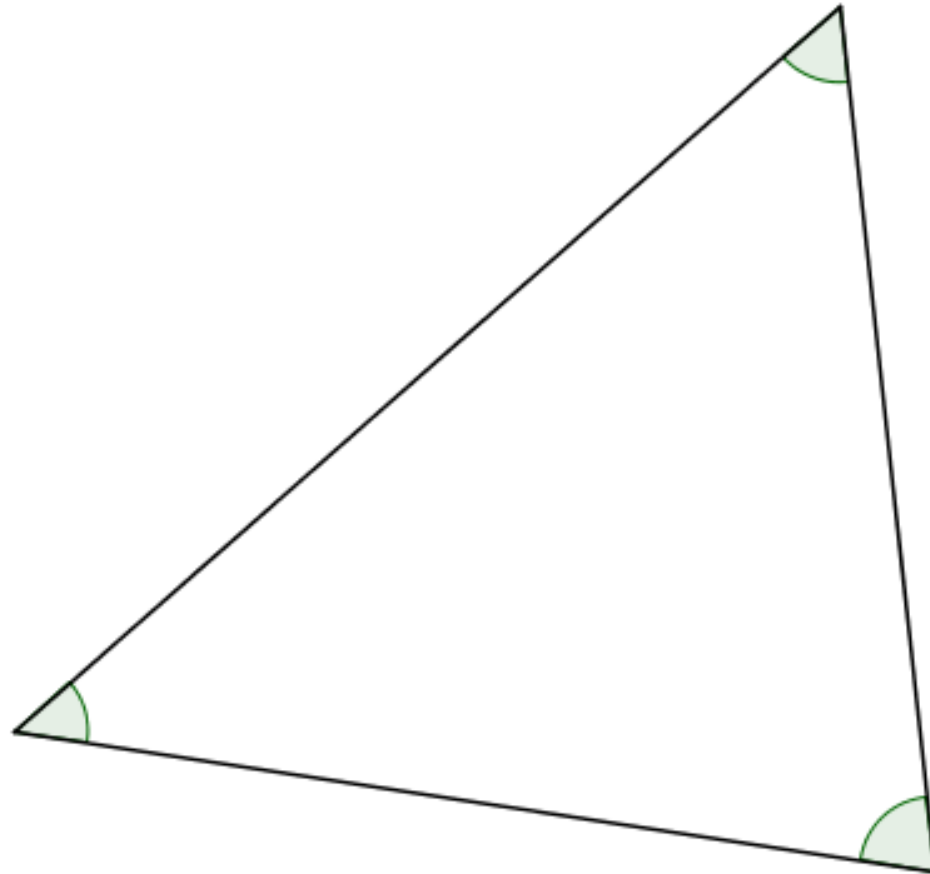
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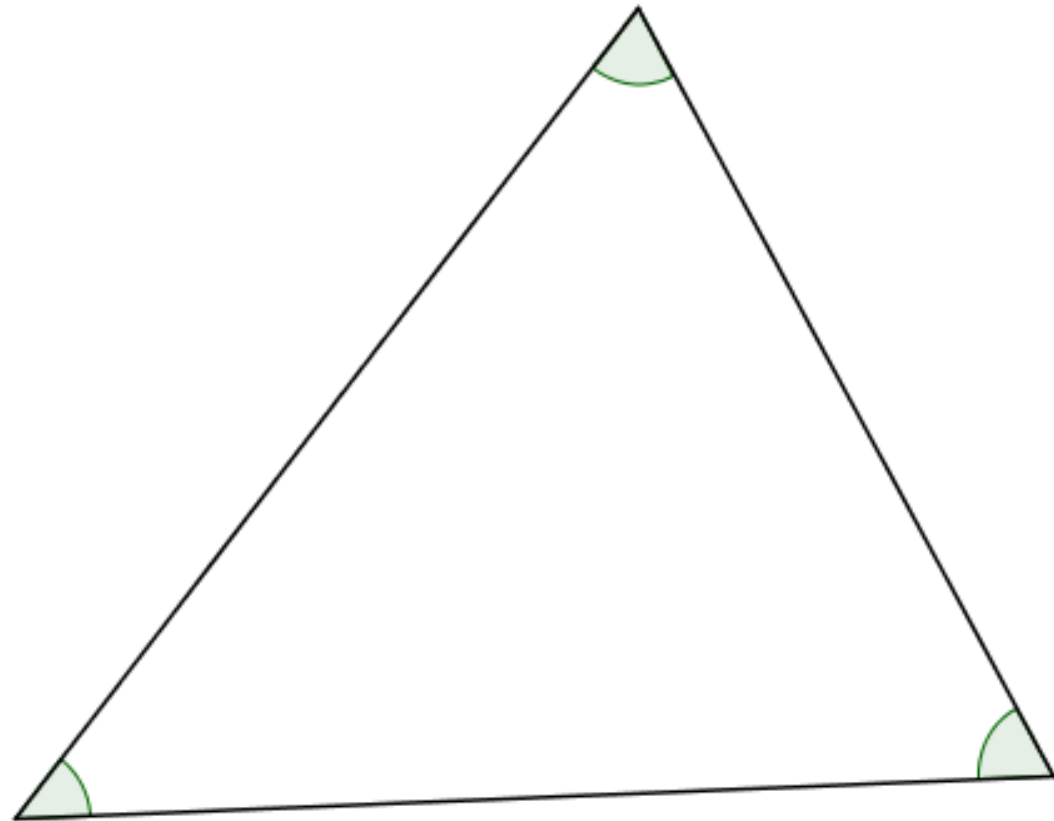
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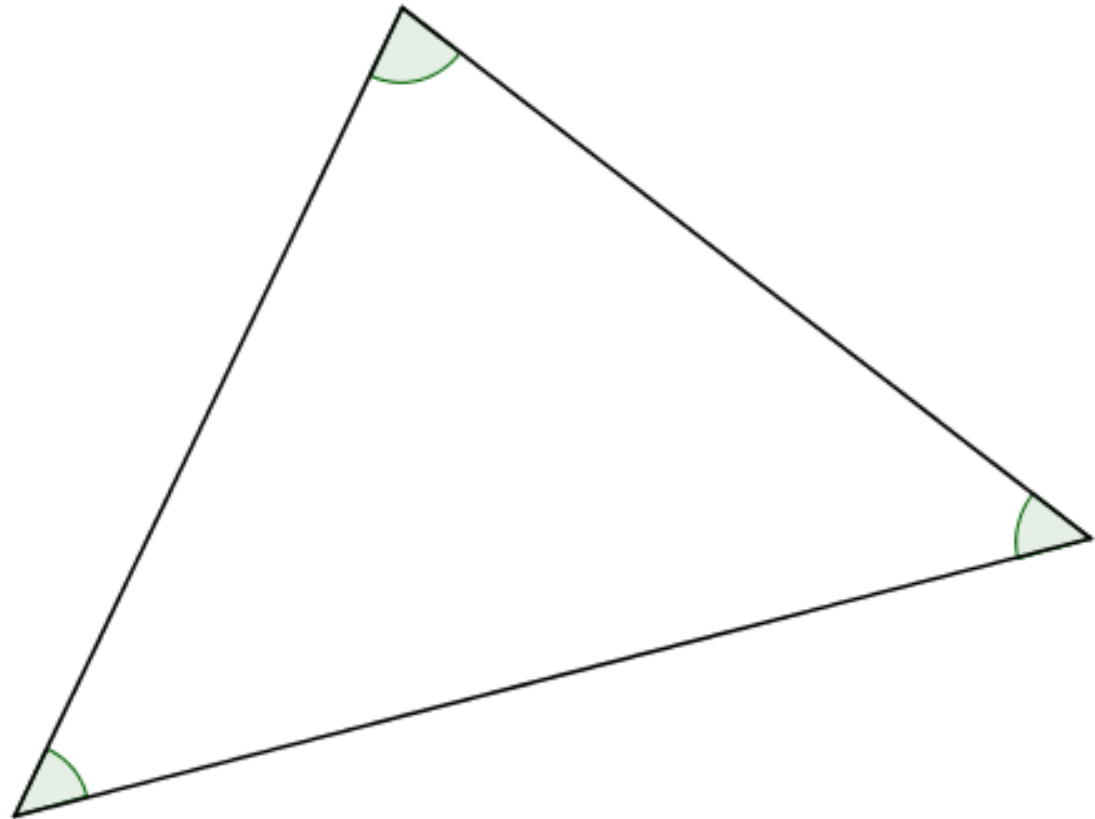
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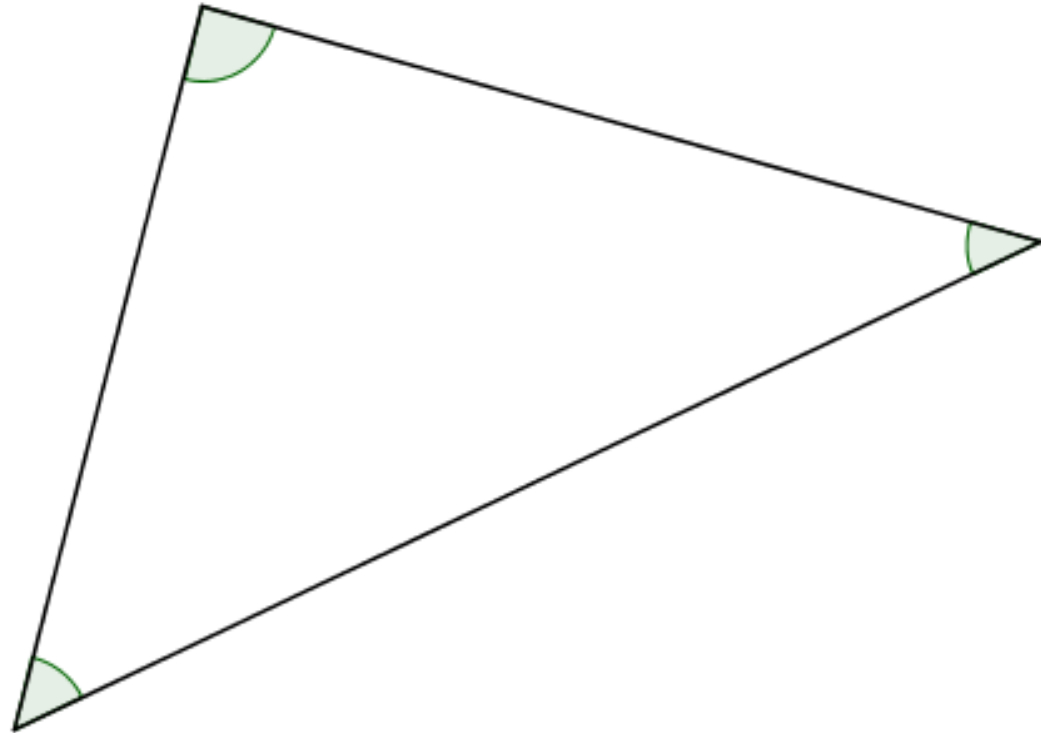
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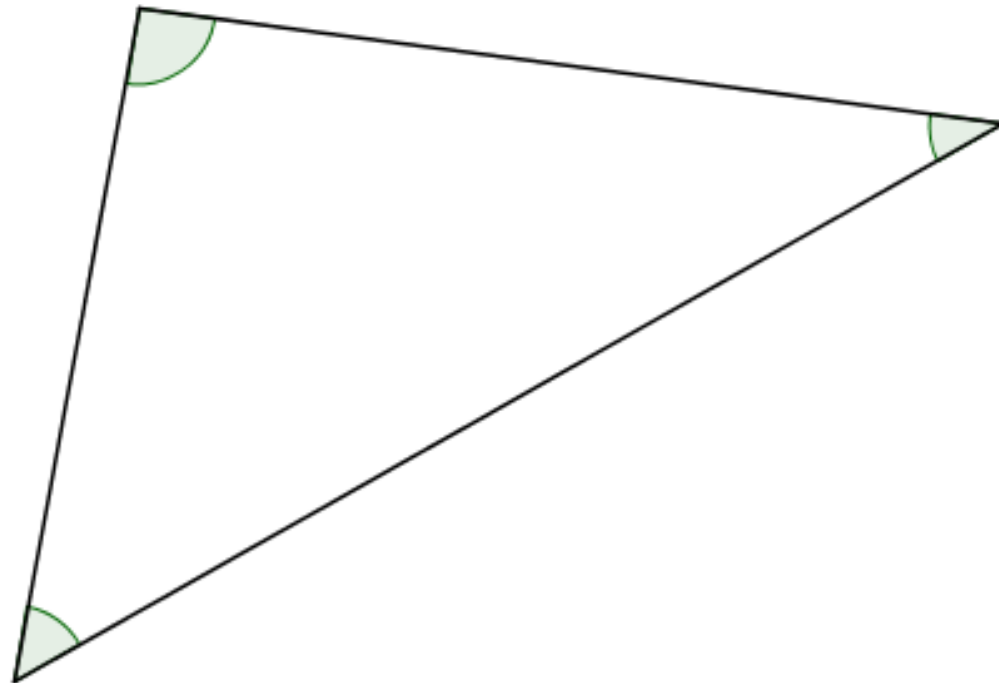
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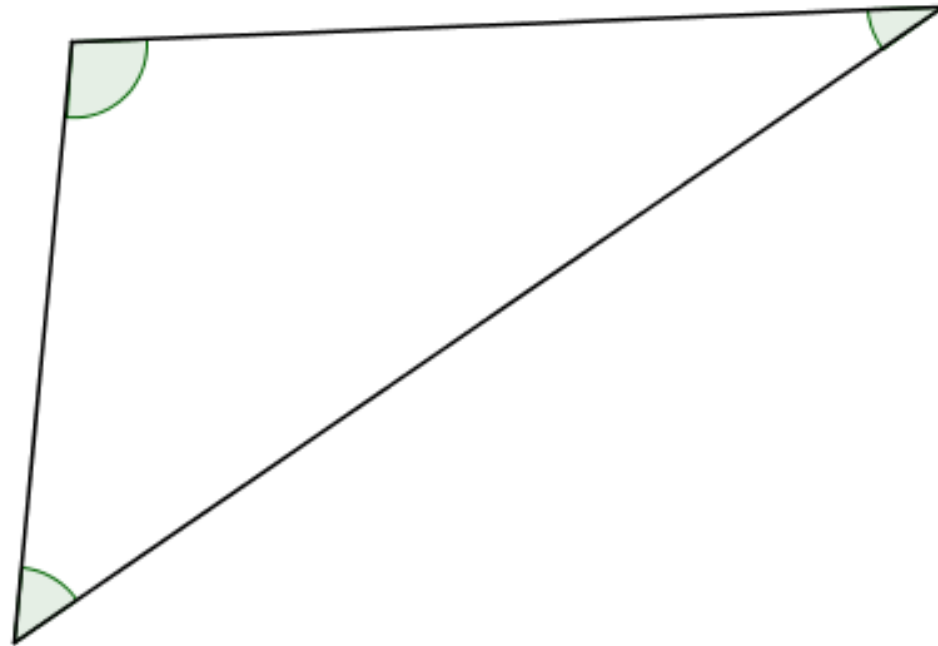
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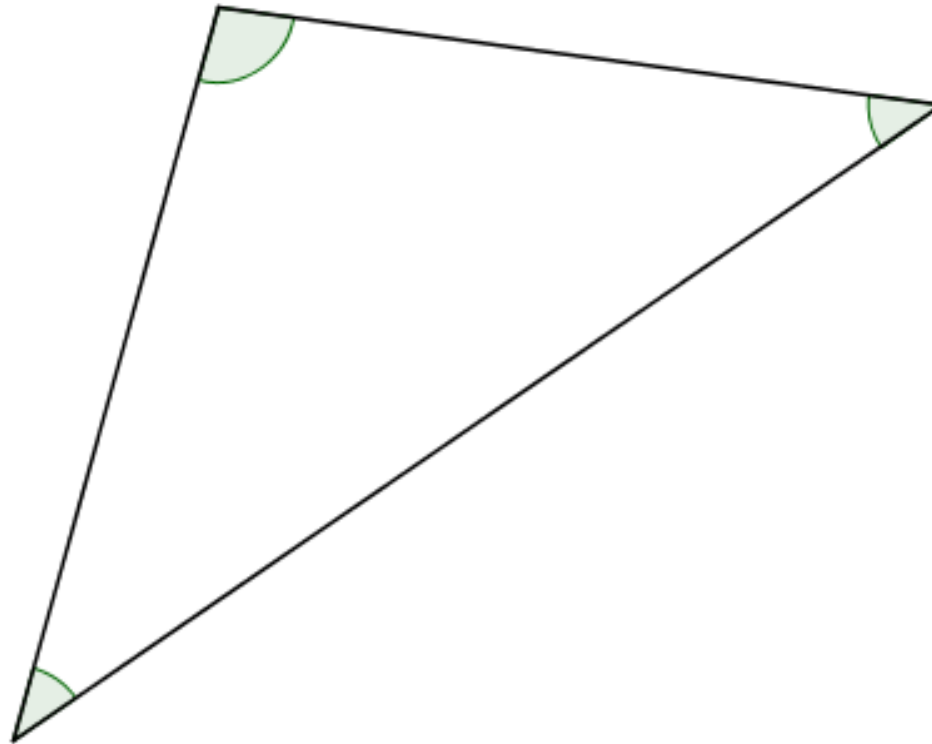
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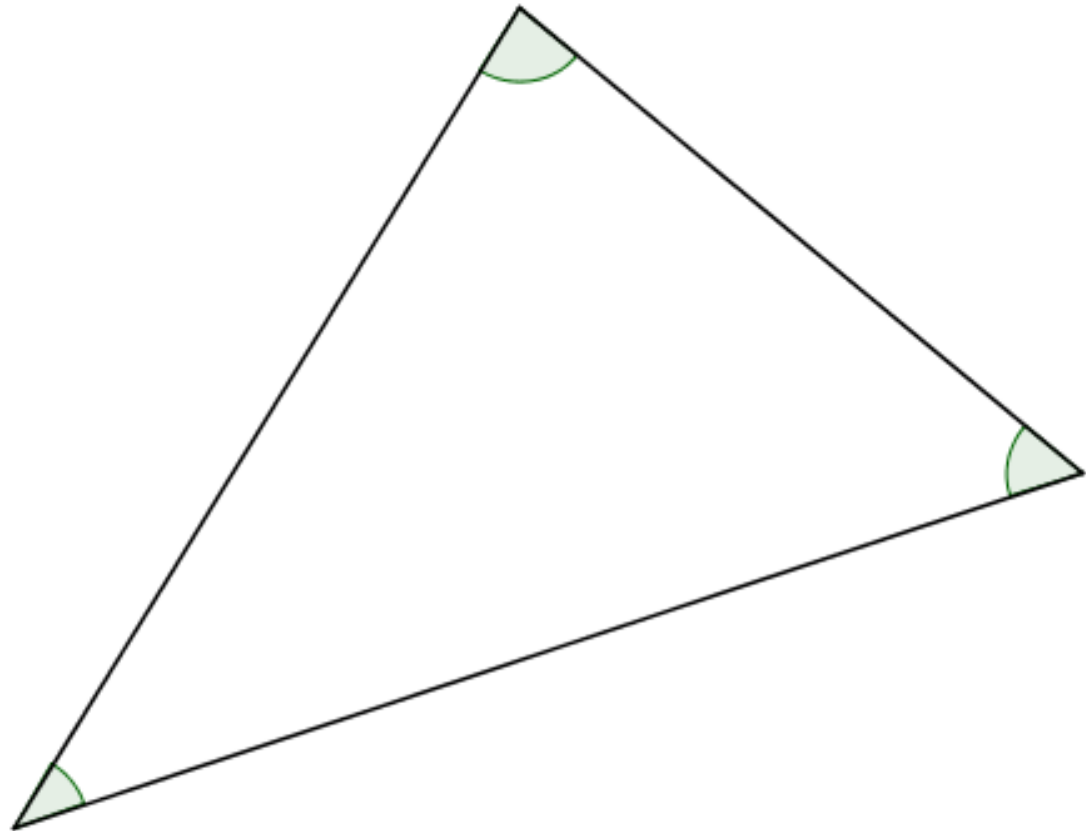
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