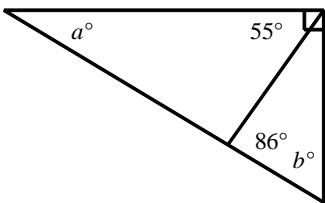


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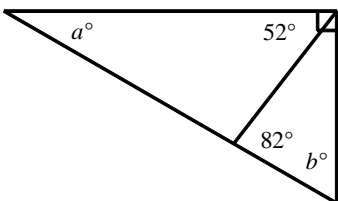
P.I. G.G.30: Investigate, justify, and apply theorems about the sum of the measures of the angles of a triangle

1. Find a and b .



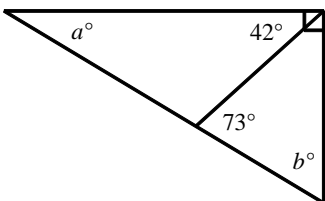
- [A] $a = 31, b = 59$ [B] $a = 31, b = 86$ [C] $a = 35, b = 59$ [D] $a = 35, b = 31$

2. Find a and b .



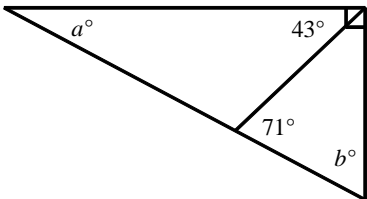
- [A] $a = 38, b = 60$ [B] $a = 30, b = 60$ [C] $a = 30, b = 82$ [D] $a = 38, b = 30$

3. Find a and b .



- [A] $a = 31, b = 73$ [B] $a = 48, b = 31$ [C] $a = 31, b = 59$ [D] $a = 48, b = 59$

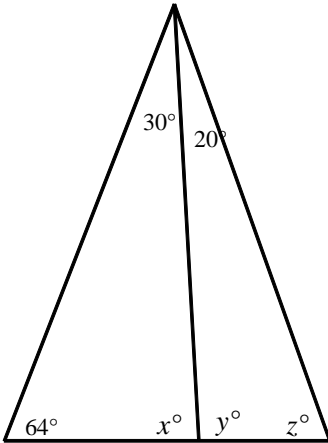
4. Find a and b .



- [A] $a = 47, b = 28$ [B] $a = 47, b = 62$ [C] $a = 28, b = 62$ [D] $a = 28, b = 71$

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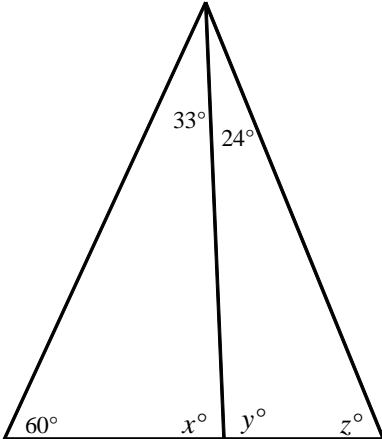
5. Find the values of x , y , and z .



- [A] $x = 86$, $y = 94$, $z = 50$
[C] $x = 94$, $y = 86$, $z = 66$

- [B] $x = 94$, $y = 86$, $z = 50$
[D] $x = 86$, $y = 94$, $z = 66$

6. Find the values of x , y , and z .



- [A] $x = 87$, $y = 93$, $z = 57$
[C] $x = 87$, $y = 93$, $z = 63$

- [B] $x = 93$, $y = 87$, $z = 63$
[D] $x = 93$, $y = 87$, $z = 57$

[1] A

[2] B

[3] C

[4] C

[5] D

[6] C