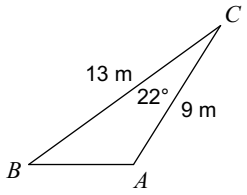
Math-2A Name_____ ID: 1

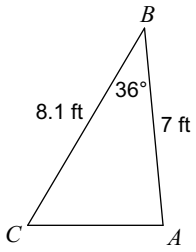
SM2-A HW #9-7 (Triangle Area)

Find the area of each triangle to the nearest tenth.

1)



2)



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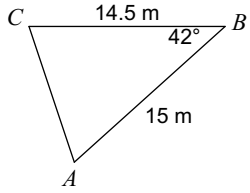

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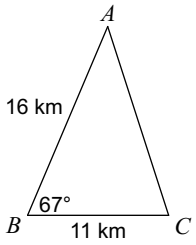

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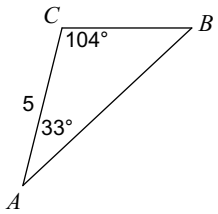

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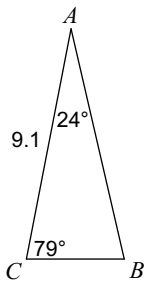

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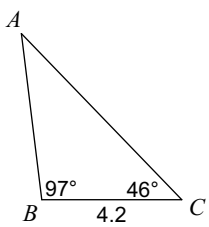
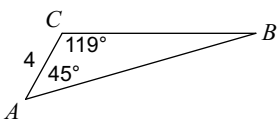


8)



Simplify.

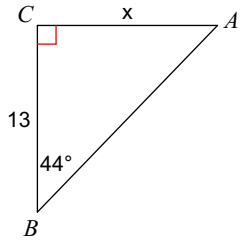
9) $\sqrt{15}\left(\sqrt{6}+\sqrt{10}\right)$

10) Rewrite in radical form:
$(6r)^{\frac{5}{3}}$

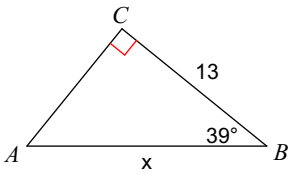
11) Rewrite in exponential form:
$\left(\sqrt[4]{5b}\right)^{7}$

Find the measure of each side indicated. Round to the nearest tenth.

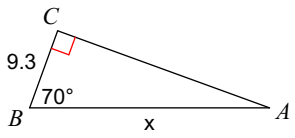
12)



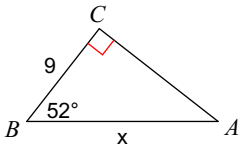
13)



14)

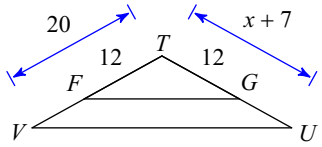


15)



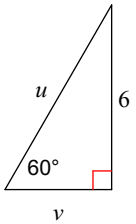
Solve for *x*. The triangles in each pair are similar.

16)



Find the missing side lengths. Leave your answers as radicals in simplest form.

17)



18)