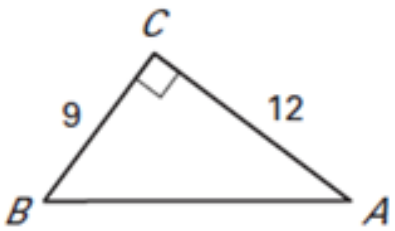
1. Find $\tan A, \sin A, \cos A, \sec A, \csc A,$ and $\cot A$. **Make sure your fractions are reduced, if needed.**



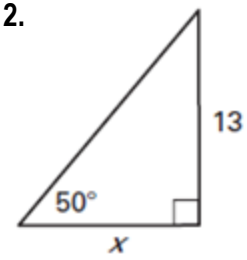
tanA = _____ cotA = _____

sinA = _____ cscA = _____

cosA = _____ secA = _____

Find the value of *x*. Round to the nearest tenth.

2.



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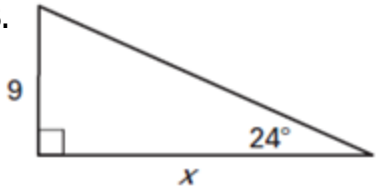

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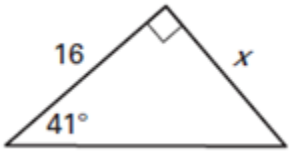

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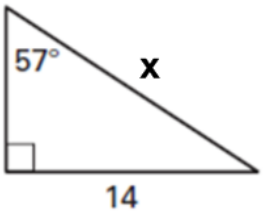

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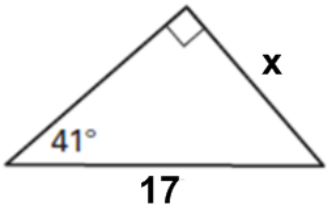

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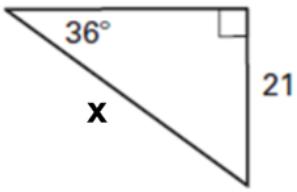

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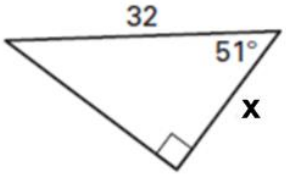

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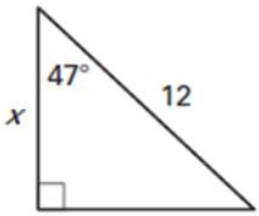
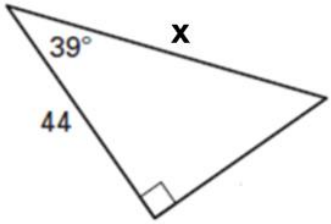
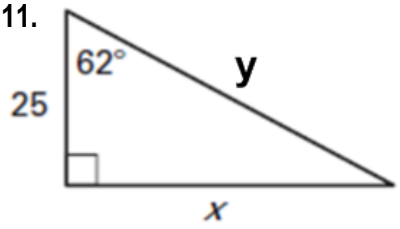


10.



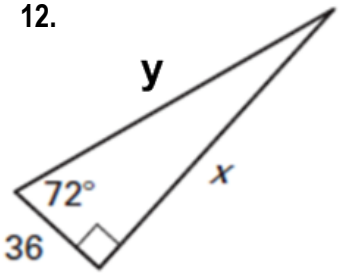
Find the value of the variables in each triangle. Then, find the perimeter of the triangle.

11.



x = _____ y = _____ Perimeter = _____

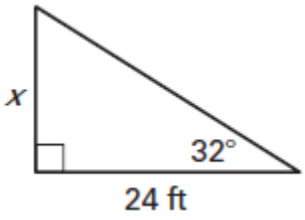
12.



x = _____ y = _____ Perimeter = _____

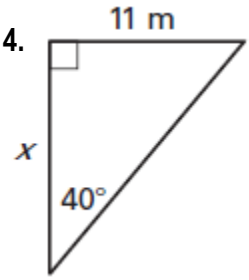
Find the area of the triangle.

13.



x = _____ Area = _____

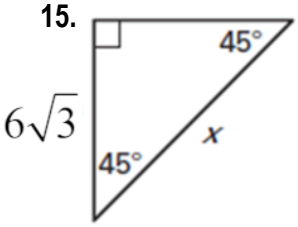
14.



x = _____ Area = _____

Find the value of the variable(s) using Special Right Triangles. Answers should be in radical form!

15.



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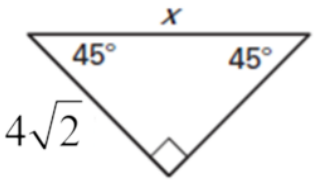

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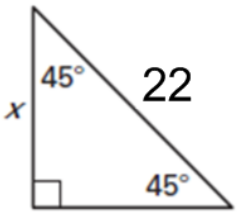

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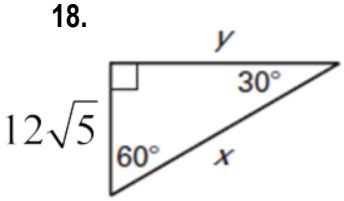

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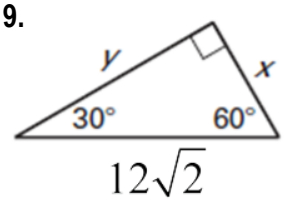

20.