

Name:

Date:

Topic:

Class:

Main Ideas/Questions

Notes/Examples

FINDING ANGLE MEASURES

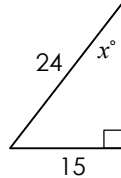
using Trig

Note: Make sure your calculator is in **degree mode!**

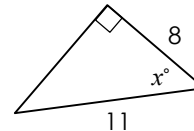
If you know the sine, cosine, or tangent ratio of an angle, you can use the inverse of the ratio (\sin^{-1} , \cos^{-1} , \tan^{-1}) to find the measure of the angle.

Directions: Find the value of x . Round to the nearest tenth.

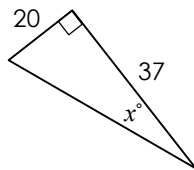
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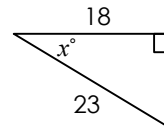
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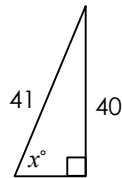
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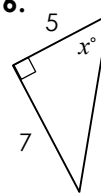
4.



5.



6.

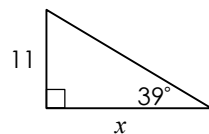


REVIEW:

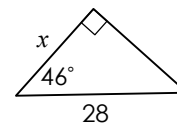
Sides & Angles

Directions: Find the value of x . Round to the nearest tenth.

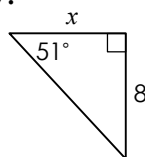
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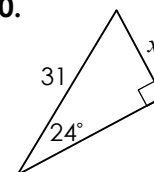
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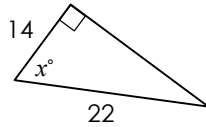
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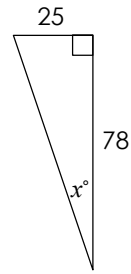
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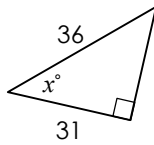
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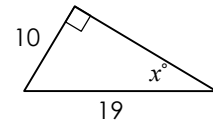
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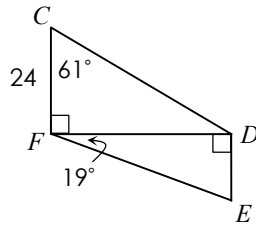
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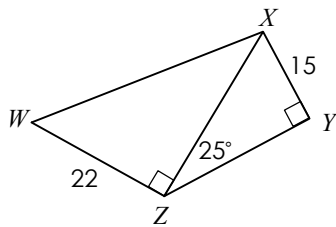
14.



15. Find DE .



16. Find $m\angle W$.



APPLICATIONS

17. A ladder leaning against a wall makes an angle of 75° with the ground. If the foot of the ladder is 6 feet from the base of the wall, what is the length of the ladder?

18. Jaden is flying a kite and lets off 275 feet of string. If the kite is 150 feet above ground and assuming the string is straight, what angle does the string make with the ground?