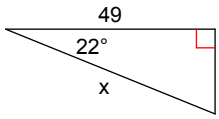
Geometry Name_____ ID: 1

# Assignment

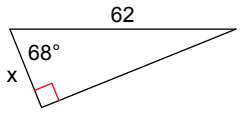
Date_____ Period____

**In #1-8, find the missing side length. Round to the nearest tenth.**

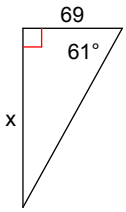
1)



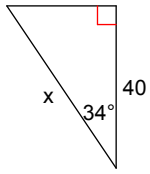

2)




3)




4)

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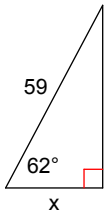


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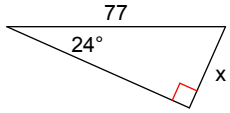


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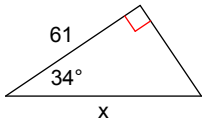
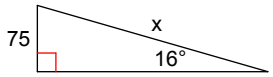
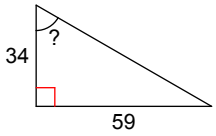



8)

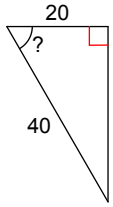



**In #9-16, find the number of degrees in the measure of the indicated angle, rounded to the nearest whole number.**

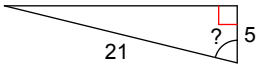
9)



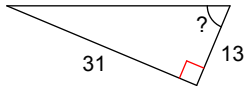

10)



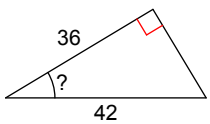

11)



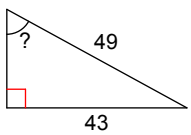

12)

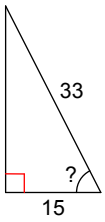


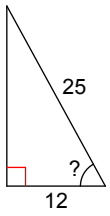

13)




14)



15) 


16) 


**In #17-18, give each answer rounded to the nearest whole number.**

17) A pedestrian is 140 feet from the base of a cell tower, which is 240 feet tall. Find the number of degrees in the angle of elevation of the top of the tower from the point where the observer is standing. Enter the answer as a number only rounded to the nearest whole number.

18) A ladder 60 feet long leans against a building and makes an angle of elevation of 63° with the level ground. How many feet up the side of the building does the ladder reach?