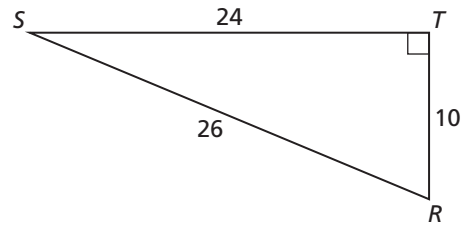


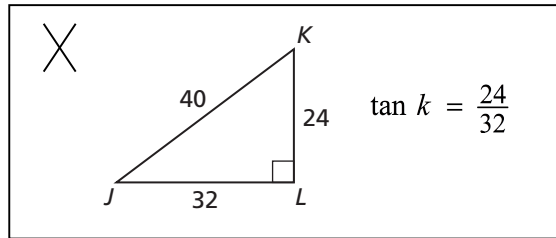
9.4

Practice A

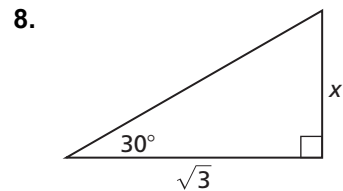
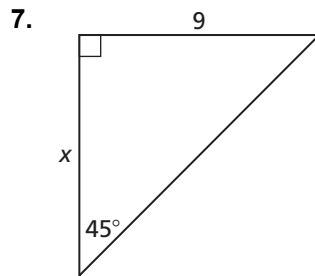
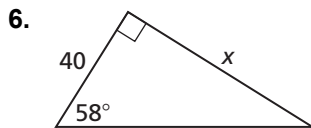
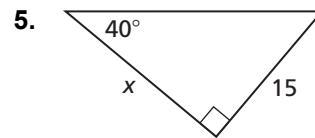
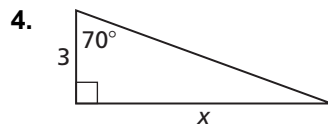
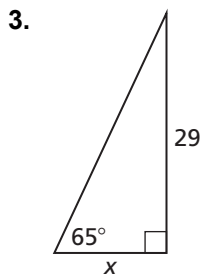
- Find the tangents of the acute angles in the right triangle. Write each answer as a fraction and as a decimal rounded to four decimal places.



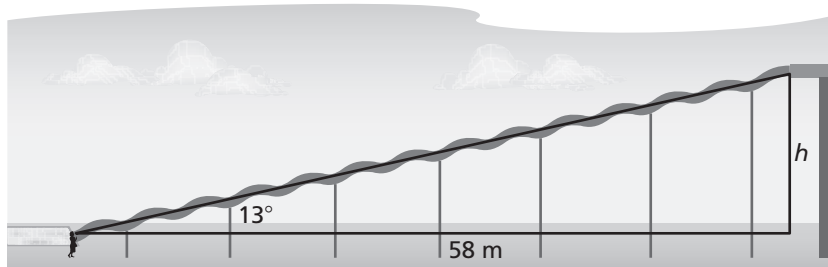
- Describe and correct the error in writing the statement of the tangent ratio for the given figure.



In Exercises 3–8, find the value of x . Round your answer to the nearest tenth.



- You are measuring the height of a water slide. You stand 58 meters from the base of the slide. You measure the angle of elevation from the ground to the top of the water slide to be 13° . Find the height h of the slide to the nearest meter.



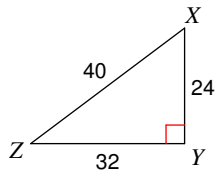
Tangent Ratio Worksheet

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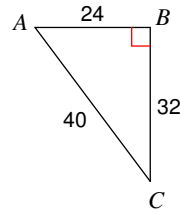
Date _____ Period _____

Find the value of each trigonometric ratio.

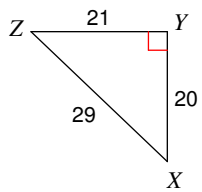
1) $\tan Z$



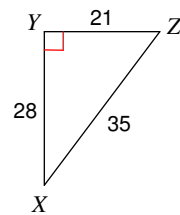
2) $\tan A$



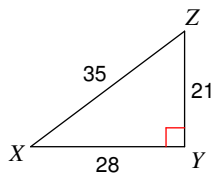
3) $\tan X$



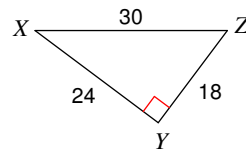
4) $\tan Z$



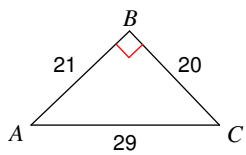
5) $\tan X$



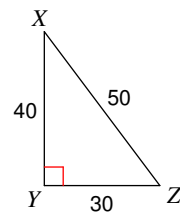
6) $\tan Z$

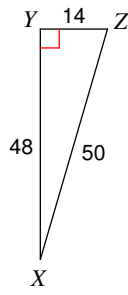
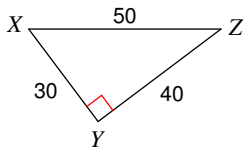


7) $\tan A$



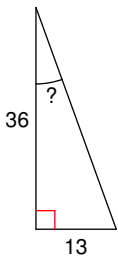
8) $\tan Z$



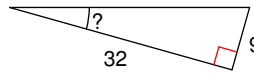


Find the measure of the indicated angle to the nearest degree.

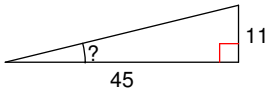
11)



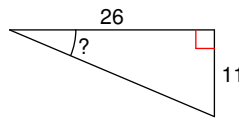
12)



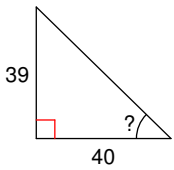
13)



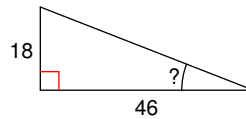
14)



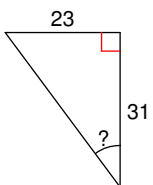
15)



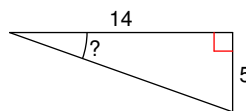
16)

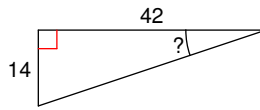
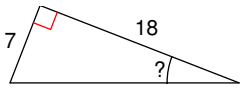


17)



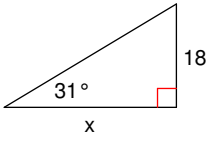
18)



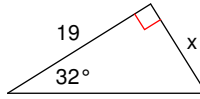


Find the missing side. Round to the nearest tenth.

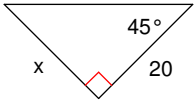
21)



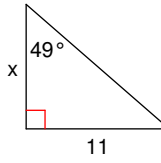
22)



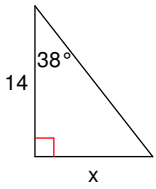
23)



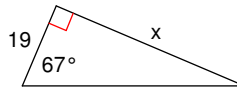
24)



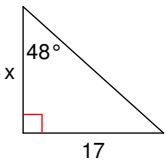
25)



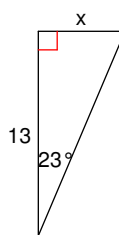
26)



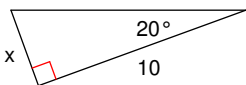
27)



28)



29)



30)

