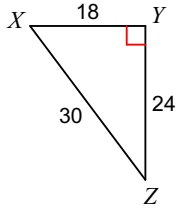


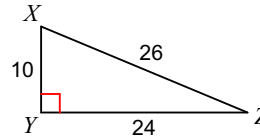
9.REV.1 ~ Lessons 9.2 - 9.5

Find the value of each trigonometric ratio. Express as a fraction in simplest form.

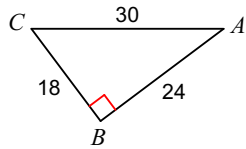
1) $\cos X$



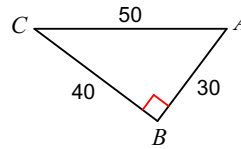
2) $\sin Z$



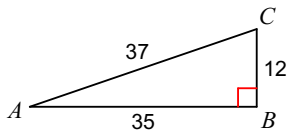
3) $\tan A$



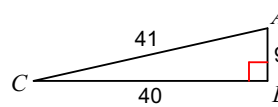
4) $\sin A$



5) $\cos A$

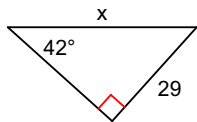


6) $\tan A$

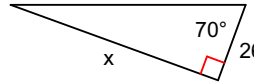


Set up and solve a trigonometric equation to find the length of x . Provide an exact answer - solve for x - and an approximation rounded to the nearest hundredth.

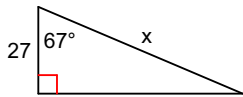
7)



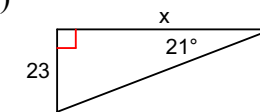
8)



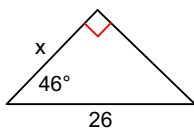
9)



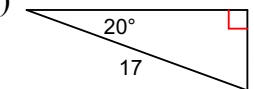
10)



11)



12)



Use the inverse trigonometric functions to calculate the measure of the indicated angle to the nearest tenth of a degree.

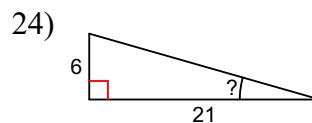
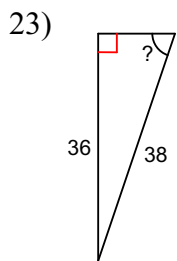
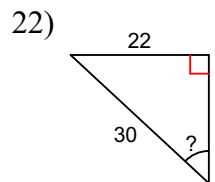
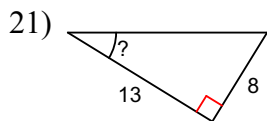
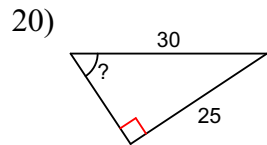
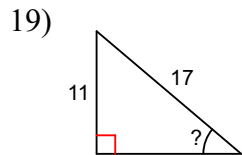
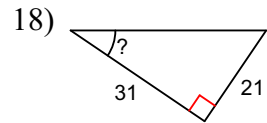
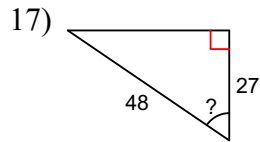
13) $\cos V = 0.9659$

14) $\tan X = 0.7536$

15) $\sin Z = 0.7771$

16) $\cos B = 0.2756$

Write a trigonometric ratio and use inverse trigonometric functions to find the measure of the indicated angle rounded to the nearest tenth of a degree.



EXTRA CREDIT ~ Find the length of the side labeled x . (You will need to set up and solve TWO trigonometric equations.) Round intermediate values to the nearest tenth. Use the rounded values to calculate the next value. Round your final answer to the nearest tenth.

