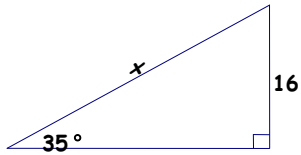


Right Triangle Trigonometry

~ 1 ~

1. Find the value of x .



A. $16 \sin 35^\circ$ B. $16 \cos 35^\circ$

C. $\frac{\sin 35^\circ}{16}$ D. $\frac{16}{\sin 35^\circ}$

2. Which trig function would you use if you were given $\frac{adj}{hyp}$?

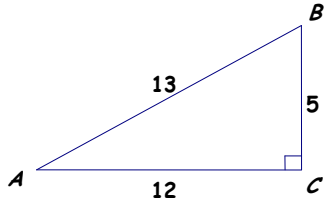
A. sin

B. cos

C. tan

D. none of these

Find the trig ratio for the triangle. (3-5)

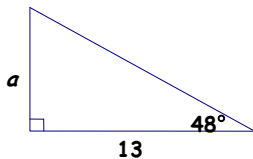


3. $\sin A =$

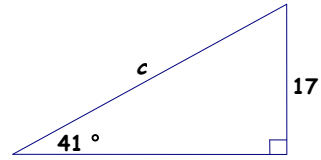
4. $\cos A =$

5. $\tan B =$

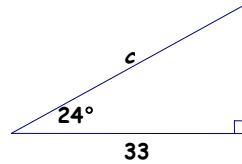
6. Solve for a as a simplified expression.



7. Solve for c as a simplified expression.



8. Solve for c as a simplified expression.



9. A boat is 600 ft from a lighthouse that is 201 ft tall. What is the angle of elevation from the boat to the lighthouse expressed as a simplified expression?

10. A plane is flying at an altitude of 900 ft the angle of depression from the plane to the landing runway is 35° . Find the land distance from the plane to the runway.