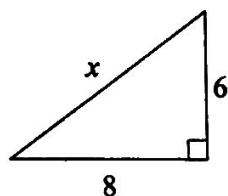


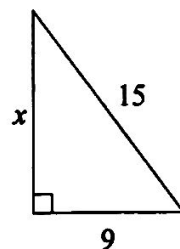
Unit 5 - Trigonometry

Find the missing side of each triangle. Round your answers to the nearest tenth if necessary.

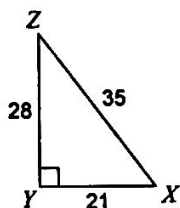
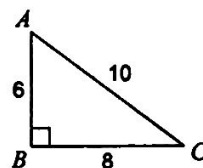
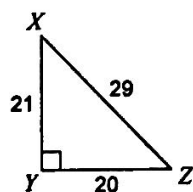
1)



2)

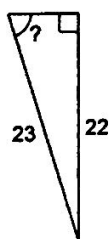


Find the value of each trigonometric ratio.

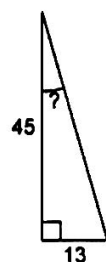
3) $\tan X$ 4) $\sin A$ 5) $\cos Z$ 

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

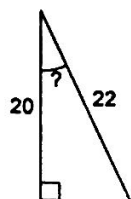
6)



7)

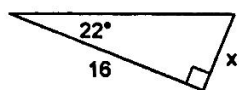


8)

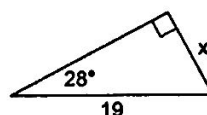


Find the missing side. Round to the nearest tenth.

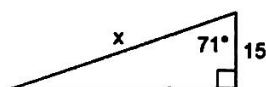
9)



10)



11)

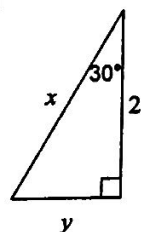


- 12) A ladder with its foot on a horizontal flat surface rests against a wall. It makes an angle of 30° with the horizontal. The foot of the ladder is 41 ft from the base of the wall. Find the height of the point where the ladder touches the wall.

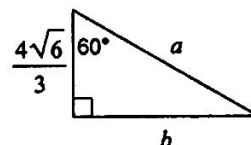
- 13) The angle of elevation of the top of a tree is 30° from a point 28 ft away from the foot of the tree. Find the height of the tree rounded to the nearest feet.

Find the missing side lengths. Leave your answers as radicals in simplest form.

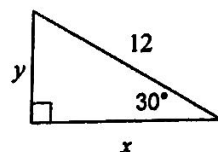
14)



15)



16)



17)

