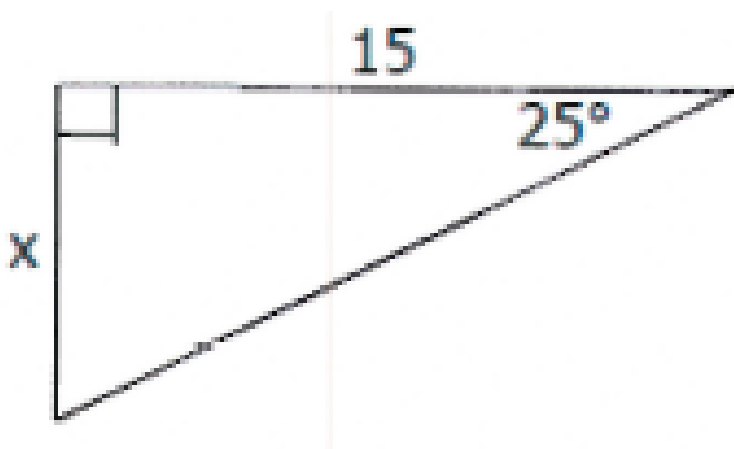
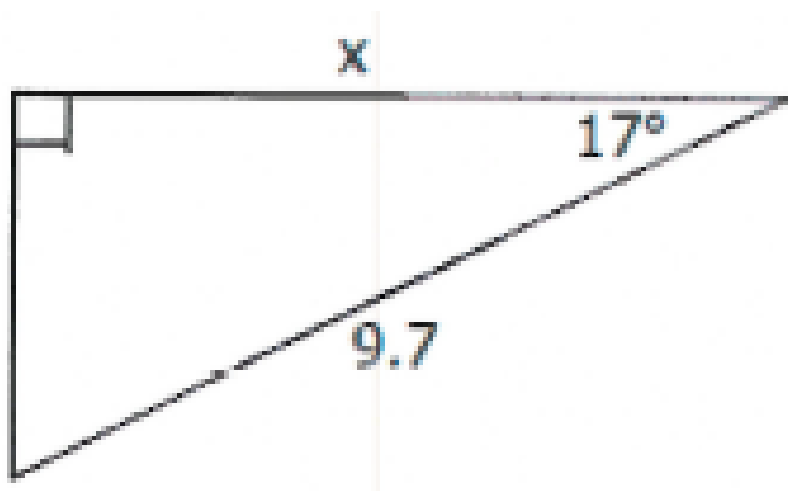


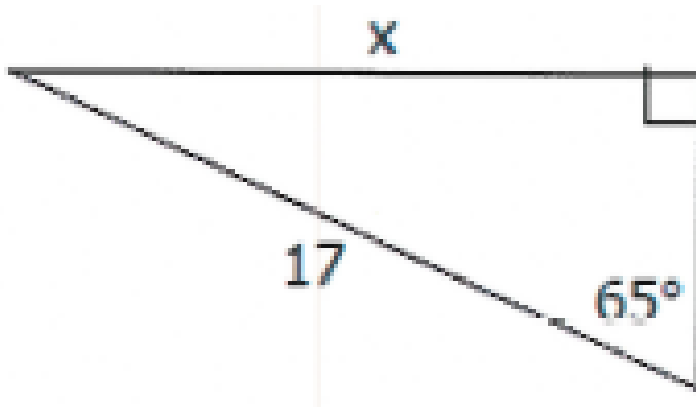
1 Find x



2 Find x



3 Find x



4

$$\tan 32^\circ = \underline{\hspace{10cm}}$$

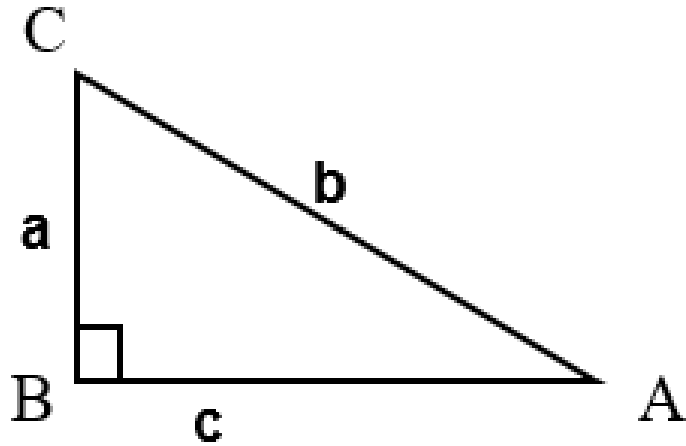
5

$$\cos 89^\circ = \underline{\hspace{10em}}$$

6

$$\sin 52^\circ = \underline{\hspace{10em}}$$

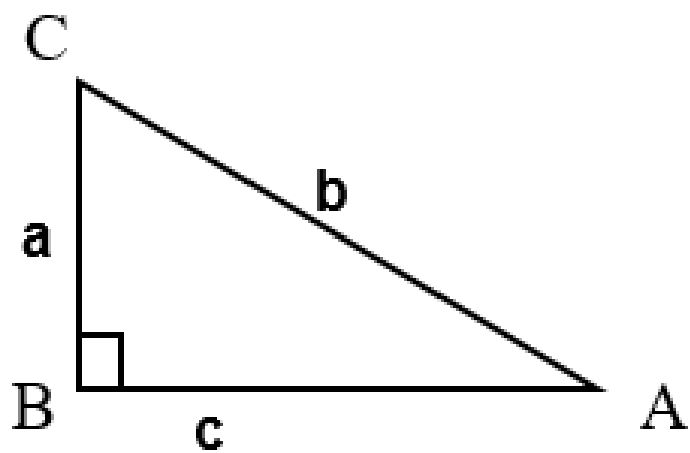
7



The side opposite $\angle A$ is

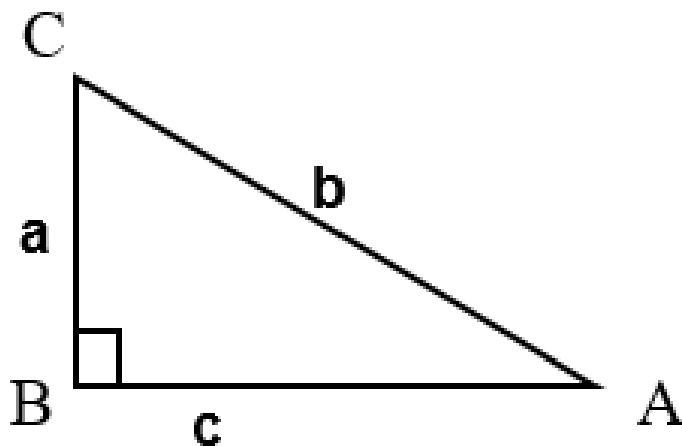
The side adjacent $\angle A$ is

8



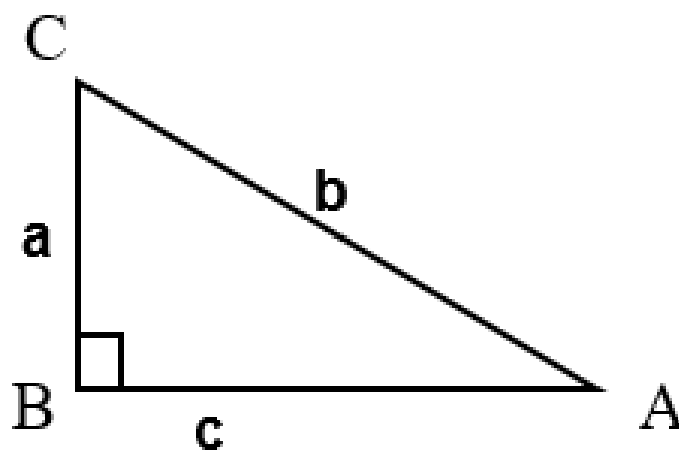
$\sin A =$

9



$$\cos C =$$

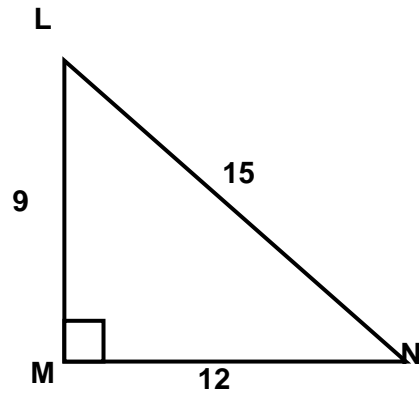
10



$$\tan A =$$

11

Find $\sin L$.



Find $\cos L$.

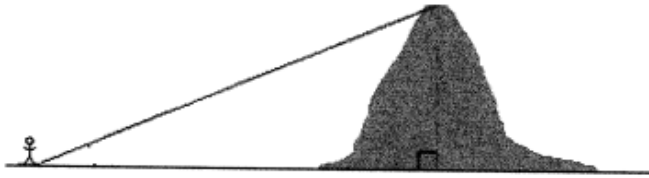
Find $\tan L$.

12

A plane is flying at an altitude of 14,500 ft. The angle of depression from the plane to the control tower is 15° . What is the horizontal distance from the plane to the tower? Round to the nearest foot.

13

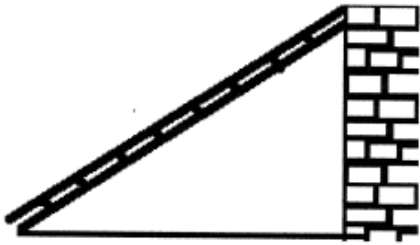
A hiker is standing 220 feet from the base of a hill. The angle of elevation from where he is standing to the top of the hill is 29° . How tall is the hill?



Answer _____

14

A 30 foot ladder forms an angle of 50° with the ground when placed against a brick wall. How far up the wall will the ladder reach? How far away from the base of the wall is the ladder?



Answer: _____