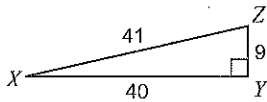


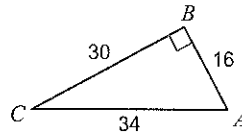
HW 4.5

Find the value of each trigonometric ratio.

1) $\cos Z$

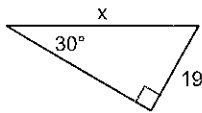


2) $\tan A$

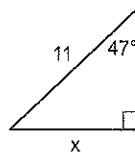


Find the missing side. Round to the nearest tenth.

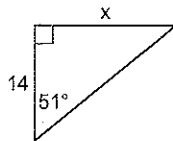
3)



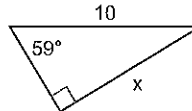
4)



5)



6)



Draw a diagram and solve the problem. Round your answers to two decimal places, as needed.

7) The local fire crew is trying to save a cat from a treetop. The tree is 23 ft. tall and they know the ladder needs to be placed at a 52 angle of elevation. How long does the ladder need to be?