

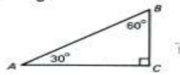
Name \_\_\_\_\_  
Algebra B HW

Date \_\_\_\_\_  
Period \_\_\_\_\_

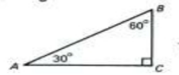
### Special Right Triangles Worksheet

**Directions:** Using the given information, find the indicated length.

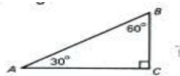
#1)  $AB=14$ ;  $BC=$



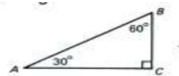
#2)  $BC=7$ ;  $AB=$



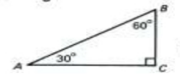
#3)  $BC=8$ ;  $AC=$



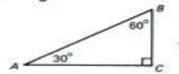
#4)  $AB=16$ ;  $AC=$



#5)  $AC=9\sqrt{3}$ ;  $BC=$

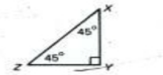


#6)  $AC=4\sqrt{3}$ ;  $AB=$

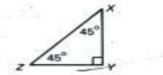


**Directions:** Using the given information, find the indicated length.

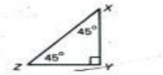
#7)  $XY=7$ ;  $XZ=$



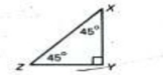
#8)  $YZ=10$ ;  $XZ=$



#9)  $XZ=11\sqrt{2}$ ;  $YZ=$



#10)  $XZ=10$ ;  $XY=$



#11) A ladder leaning against a wall makes a  $60^\circ$  angle with the ground. The base of the ladder is 3 m from the building. How high above the ground is the top of the ladder?