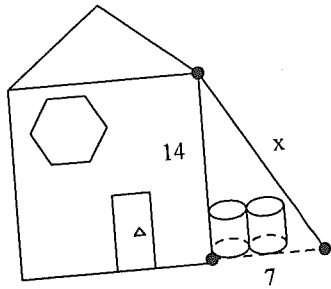


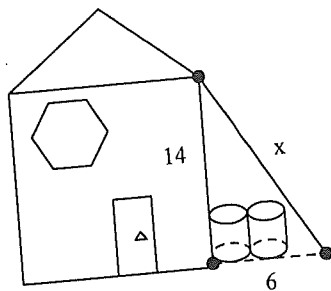
Name: \_\_\_\_\_

23. Chris is working on the roof of their house and he needs a ladder long enough. The house is 14 feet tall and to clear the barrels, the base of the ladder needs to be 7 feet from the house. How long does his ladder have to be to reach his roof?



- a. 14.65  
 b. 15.65  
 c. 16.65

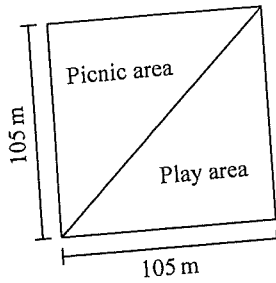
24. Jamie is working on the roof of their house and he needs a ladder long enough. The house is 14 feet tall and to clear the barrels, the base of the ladder needs to be 6 feet from the house. How long does his ladder have to be to reach his roof?



- a. 16.23  
 b. 14.23  
 c. 15.23

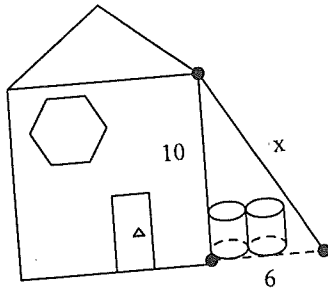
Name: \_\_\_\_\_

25. A community is building a square park with sides that measure 105 meters. To separate the picnic area from the play area, the park is split by a diagonal line from opposite corners. Determine the approximate length of the diagonal line that splits the square. If necessary, round your answer to the nearest meter.



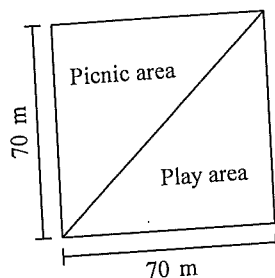
- a. 210 meters  
b. 105 meters  
c. 148 meters

26. Bob is working on the roof of their house and he needs a ladder long enough. The house is 10 feet tall and to clear the barrels, the base of the ladder needs to be 6 feet from the house. How long does his ladder have to be to reach his roof?



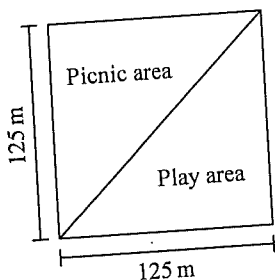
- a. 10.66  
b. 11.66  
c. 12.66

27. A community is building a square park with sides that measure 70 meters. To separate the picnic area from the play area, the park is split by a diagonal line from opposite corners. Determine the approximate length of the diagonal line that splits the square. If necessary, round your answer to the nearest meter.



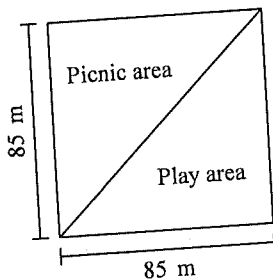
- a. 99 meters  
b. 70 meters  
c. 140 meters

28. A community is building a square park with sides that measure 125 meters. To separate the picnic area from the play area, the park is split by a diagonal line from opposite corners. Determine the approximate length of the diagonal line that splits the square. If necessary, round your answer to the nearest meter.



- a. 177 meters  
b. 125 meters  
c. 250 meters

29. A community is building a square park with sides that measure 85 meters. To separate the picnic area from the play area, the park is split by a diagonal line from opposite corners. Determine the approximate length of the diagonal line that splits the square. If necessary, round your answer to the nearest meter.



- a. 170 meters  
b. 120 meters  
c. 85 meters