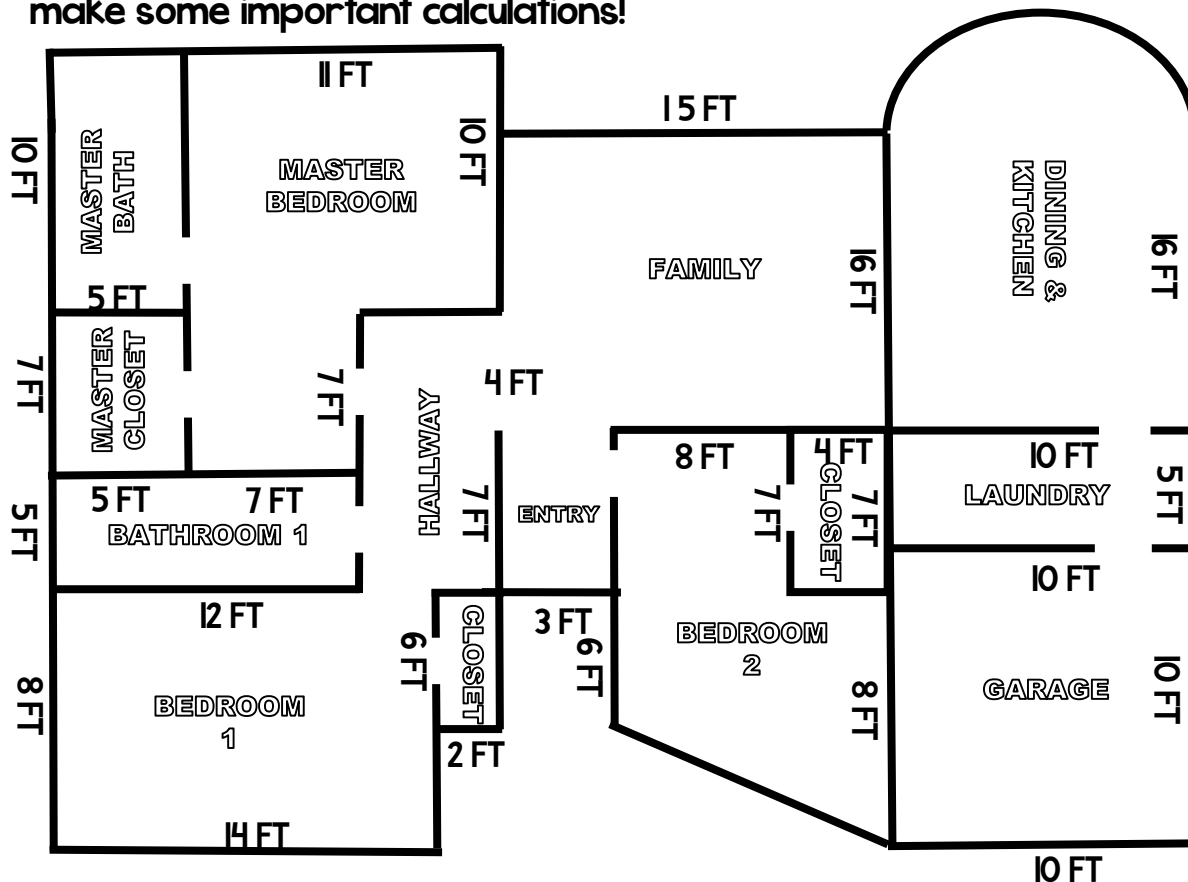


Name: \_\_\_\_\_

Date: \_\_\_\_\_

# Real-Life Area of Composite Figures

Congratulations! You are the proud owner of a beautiful new home! Below is a blueprint of your house. Use the blueprint to help you make some important calculations!



Question 1: You are planning on putting new carpet into the master bedroom and the master closet. The price per square foot of the carpet is \$1.34 per square foot. Determine how much you will need to pay for the carpet. Show your work in the space below:

Total Area of the Rooms: \_\_\_\_\_

Total Cost of the Carpet: \_\_\_\_\_

Question 2: The kitchen and dining room need new tile. The cost of the tile is \$2.87 per square foot. Calculate the total cost of the tile. Show your work in the space below (Use 3.14 for  $\pi$ ):

Total Area of the Rooms: \_\_\_\_\_

Total Cost of the Tile: \_\_\_\_\_

.....

Question 3: You are going to turn Bedroom 2 into your new office space. You would like to put new hardwood floors down. The cost of the hardwood is \$3.05 per square foot. Calculate the total cost of the hardwood (Bedroom 2 only - NOT the closet). Show your work in the space below:

Total Area of the Room: \_\_\_\_\_

Total Cost of the Hardwood: \_\_\_\_\_

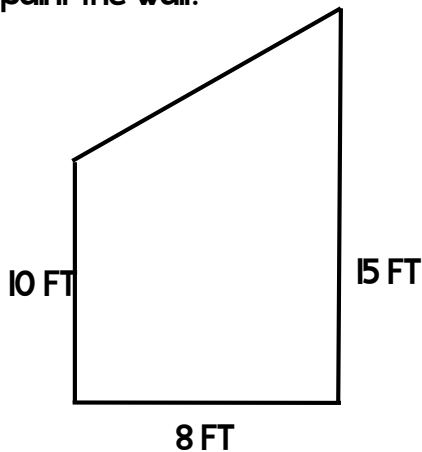
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Question 4: The floors in the family room and entry need to be professionally cleaned. The cost of the cleaning company is \$0.52 per square foot. Calculate the total cost to clean the floors. Show your work in the space below:

Total Area of the Rooms: \_\_\_\_\_

Total Cost of the Cleaning: \_\_\_\_\_

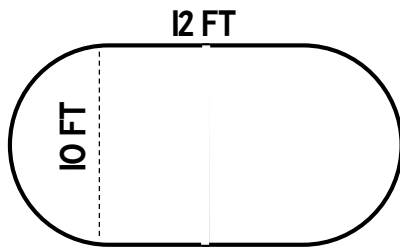
Question 5: You have decided to paint one of the walls in the dining room blue. The shape of the wall is shown below. One gallon of the paint covers 50 square feet. The wall will need 2 coats of paint. How many gallons of paint would you need to paint the wall?



Total Area of the Wall: \_\_\_\_\_

Gallons of Paint Needed: \_\_\_\_\_

Question 6: In the backyard, you are planning on putting a small putting green to practice your golf skills. The shape of the putting green is shown below. If you want to put artificial grass down, what would the total cost of the turf be if each square foot is \$3.15?



Total Area of the Putting Green: \_\_\_\_\_

Cost of Artificial Grass: \_\_\_\_\_