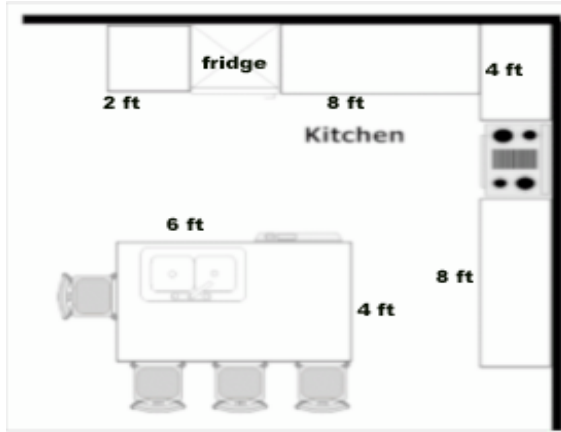


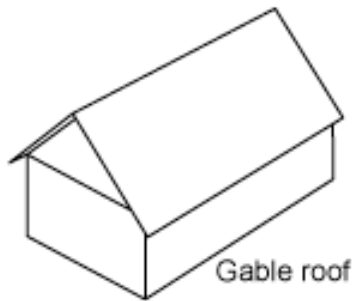
Practical Applications:

Kitchen Layout With Island



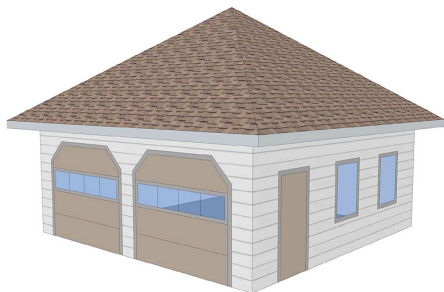
Wide of Counter = 24 inches
Thickness of counter = 1 inch
Total Counter Area = _____
Total Volume of Counter = _____
Weight of counter if made of granite = _____
Weight of counter if made of cement = _____
Weight of counter if made of marble = _____
Material cost of marble countertop if cost per square foot is \$8.87 (basic white) = _____

Garage

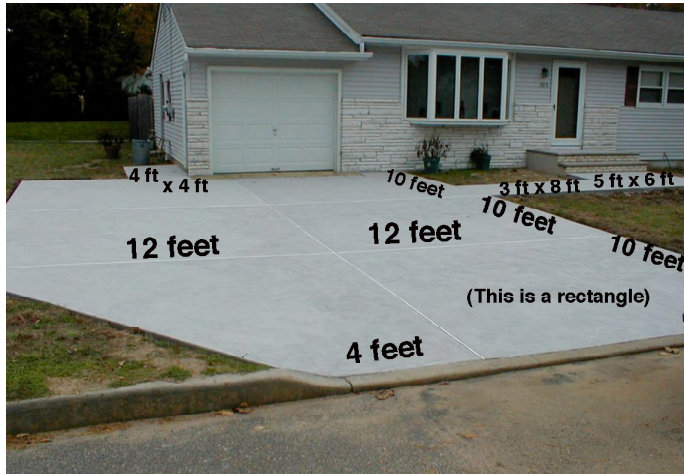


Width = 18 feet
Length = 24 feet
Wall height = 8 feet
Height from tip to ground = 12 feet
Total Surface Area of the roof = _____
If a bundle of asphalt shingles covers 32 square feet, how many bundles are required = _____
Total cost of shingles if a square (3 bundles) costs \$89.60 = _____

2-Car Garage



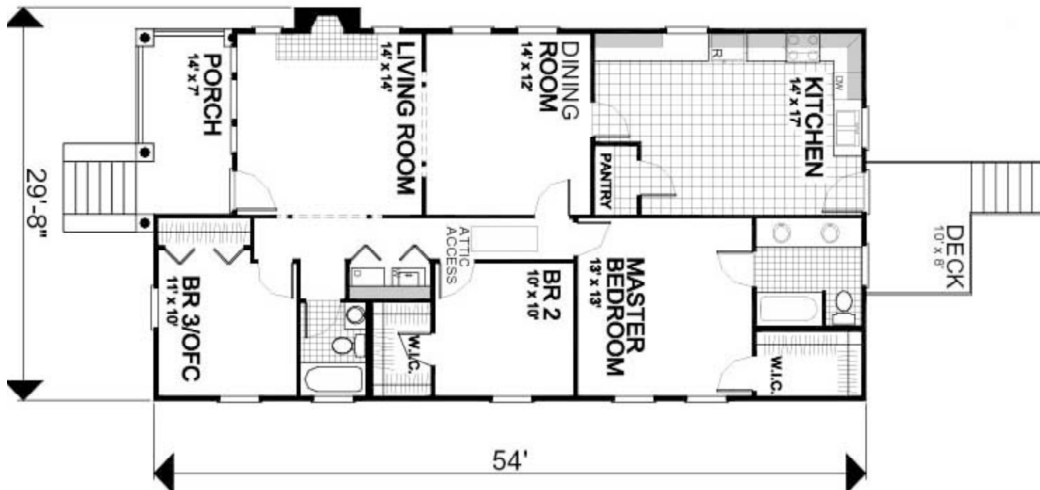
Width = 24 feet
Length = 24 feet
Wall height = 8 feet
Height from tip to ground = 16 feet
Total Surface Area of the roof = _____
If a bundle of asphalt shingles covers 32 square feet, how many bundles are required = _____
Total cost of shingles if a square (4 bundles) costs \$145.00 = _____



Total area = _____
 Total volume if concrete poured to a depth of 4 inches = _____
 Total weight of concrete is a cubic foot weighs 145 lbs per cubic foot = _____
 Total number of cubic yards that would have to ordered = _____
 Total cost of pouring the illustrated driveway if: cost of concrete per yard is \$80.00, cost of subbase (4 inches of gravel) is \$12.00 per yard and the cost of framing and leveling is \$1.50 per square foot = _____



Surface area if the radius is 4 feet = _____
 Number of paving stones that would be required if each paving stone is 6 inches by 6 inches = _____
 Total cost of paving stones if each paver costs \$0.84 = _____
 Total cost of the project is labour costs (includes sand and prep) is \$18 per square foot = _____



Note: walls are 8 feet high and ignore window and door openings

Determine the total cost of materials for: (Note; walls 8 feet high)

- painting (1 coat) and redoing the carpets in the three bedrooms (cost of paint is \$74.00 per can with a coverage of 360 sq feet and carpet costs \$38.00 per square yard) = _____
- redo the tile on the kitchen floor using 8 inch by 8 inch tile which cost \$1.40 each = _____