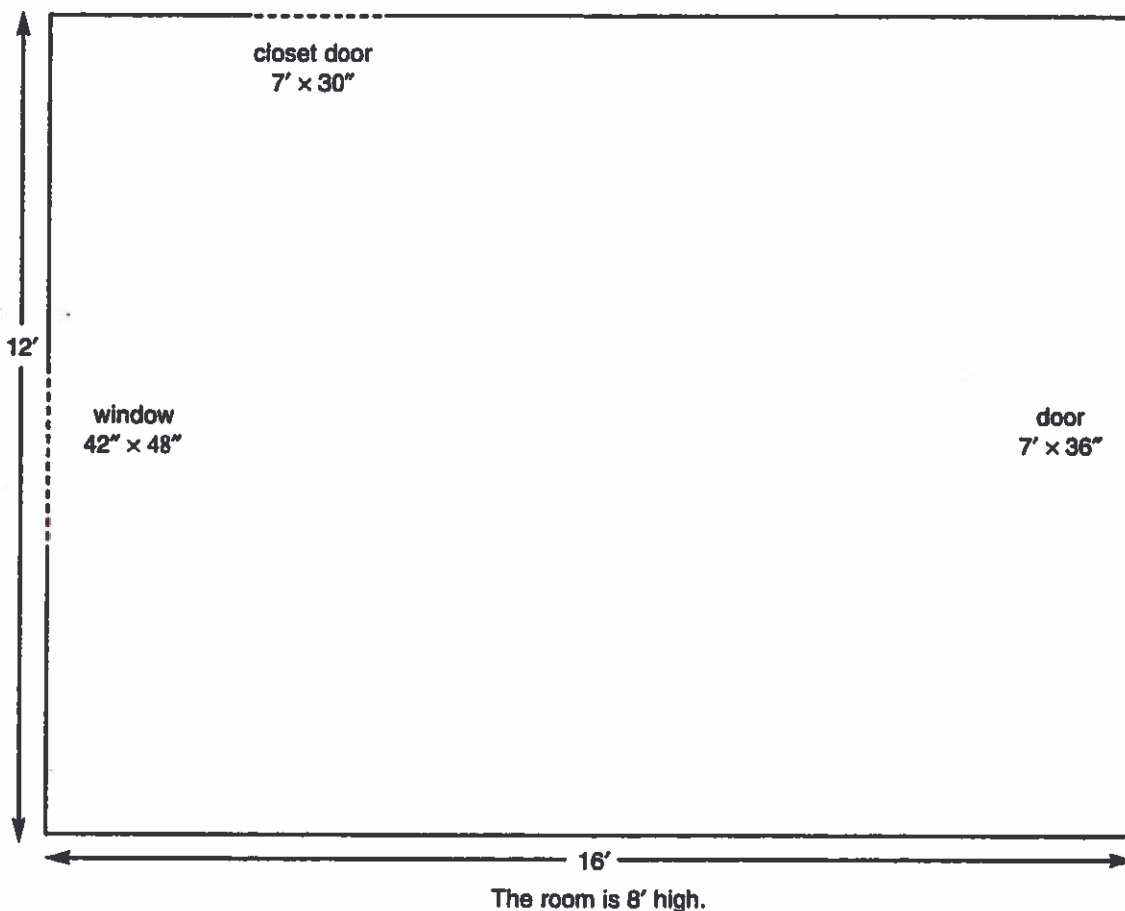


Name _____ Date _____ Section _____

33-D

6-3 Finding Area—Painting a Room

Assume you are to paint a room and must determine how much paint you are to buy. You want to paint all four walls and the ceiling the same color. You are not to paint the doors, door frames, or window frames, which are finished with wood stain. (The dimensions shown for the doors and windows include their frames.) Study the diagram and then answer the questions below.

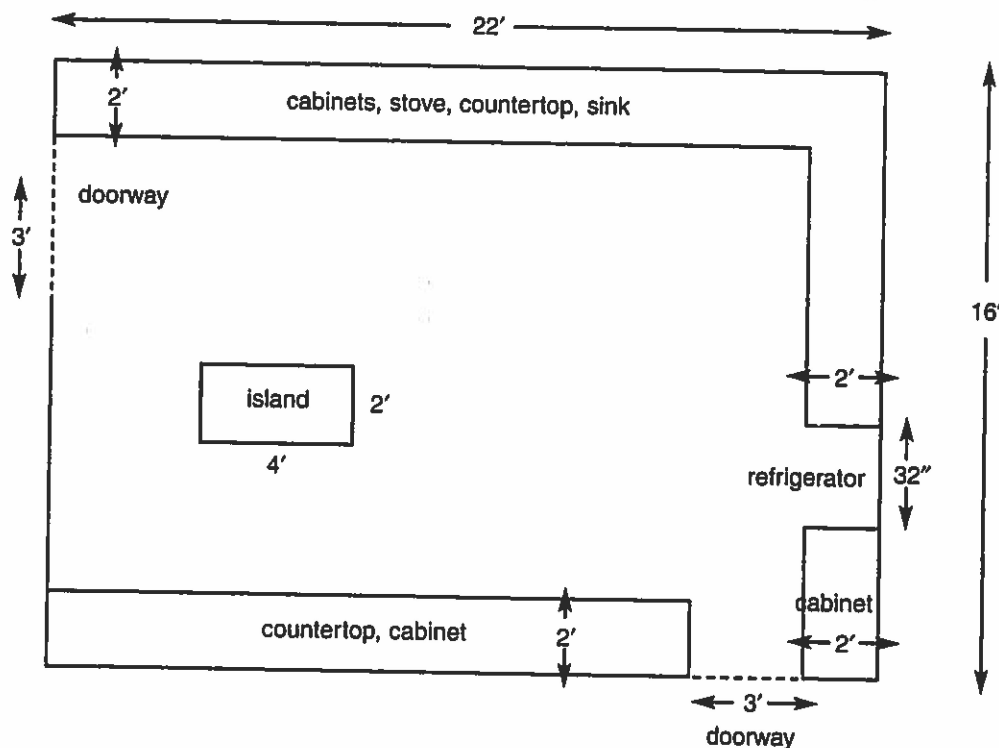


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1. What is the total area of the walls and ceiling? (Before the area of the windows and door are subtracted.) _____
2. What is the total area covered by the window and doors? _____
3. What is the area of the room that must be painted? _____
4. Assume that a gallon of paint covers 300 to 400 square feet. How many gallons should you buy for one coat of paint? _____

6-4 Finding Area—Tiling a Floor

Imagine you are to help your parents, a relative, or friend tile a kitchen floor. Before beginning the job, you should determine the number of tiles you will need and calculate the cost. Study the diagram. Use the dimensions given to determine any missing dimensions you will need, then answer the questions that follow.



1. What is the total area of the kitchen floor? _____
2. What is the area covered by cabinets, the stove, sink, and the island? _____
This area is not to be tiled.
3. Subtract the area that is not to be tiled from the total area. What is the area that must be tiled? _____
4. If the size of the tiles are 12 inches by 12 inches, how many will you need? _____
5. If the tiles are packaged in boxes of 45, how many boxes will you need? _____
6. The cost of a box containing 45 tiles is \$44.95. What is the total cost? (Assume that sales tax is not required.) _____