

Calvin works has an air conditioning contractor. The customer wants to buy an air conditioner for his family room. His room measures 30 feet by 16 feet. His walls are 8ft high. How many cubic feet of air is in the room?

Solution:

The volume of the room is

$$V = a * b * h,$$

where a - lenth of the room and it equal 30 feet, b – width of the room and it equal 16 feet, and h – height, and it equal 8 feet

$$V = 30 * 16 * 8 = 3840 \quad ft^3$$

Answer: 3840 ft^3