Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Interior Decorating and Finishing AM

Date \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ PM

Calculate the total cost for each job, including labor if given. SHOW ALL OF YOUR WORK. Be sure to correctly LABEL all answers. Assume each can of paint covers 350ft2.

1. You will work 16 hours to complete a job. You will charge $12.50/hour for an apprentice painter’s labor. You need 3 gallons of paint at $42.98/gallon. (3 points)

 a. What is the cost of labor?

 b. What is the cost of paint?

 c. What is the total cost of the job?

2. You spend 25 hours on a job and charge $15.40/ hour. The job requires 9 gallons of paint at $21.85/gallon. How much will the job cost? (3 points)

 a. What is the cost of labor?

 b. What is the cost of paint?

 c. What is the total cost of the job?

3. You are going to bill a customer for 12 hours of work at $22.50/hour. You’ll need 4 gallons of paint. Each gallon is $35.81. How much is the total bill? (3 points)

 a. What is the cost of labor?

 b. What is the cost of paint?

 c. What is the total cost of the job?

4. You are asked to paint a classroom that is 24’ x 36’ x 8’. All of the walls and the ceiling will require two coats. If a gallon of paint costs $29.94, how much will the paint cost to complete this job? (5 points)

 a. What is the surface area of the ceiling?

b. What is the surface area of the walls?

 c. What is the total surface area of the walls and ceiling?

d. How many gallons of paint will you need for two coats on the walls and ceiling?

 e. What is the cost of the paint?

5. A customer hires you to paint a room that is 14’ x 16’ x 8’. You will need to put on two coats of paint, but you will **not** paint the ceiling. You estimate that the job will take 10 hours. You charge $24/hour. The paint that the customer has chosen costs $37.98/gallon. (5 points)

a. What is the cost of labor?

 b. What is the surface area of the walls?

c. How many gallons of paint do you need?

d. What is the cost of paint?

 e. What is the total cost of the job?

6. You contract for a job to paint an office that is 25’ x 18’ x 10’. You will charge the customer $25/hour labor and estimate it will take 24 hours to complete the job. The ceiling will be a different color than the walls. Everything will require two coats of paint. The ceiling paint costs $24.95/gallon and the wall paint costs $36.86/gallon. (8 points)

a. What is the cost of labor?

 b. What is the surface area of the walls?

c. How many gallons of paint do you need for the walls?

d. What is the cost of paint for the walls?

 e. What is the surface area of the ceiling?

f. How many gallons of paint do you need for the ceiling?

g. What is the cost of paint for the ceiling?

h. What is the total cost of the job?