

Programming I
Overview of C++ - Math Operations and Formatting
Program #7 - Frames

An art store wants a program (**frames.cpp**) that will calculate the cost and amount of canvas and frame for artists that need canvases. The artist will enter his or her name, the length and width (in inches) of the size of the frame. The program should write out the artist's name, the amount of canvas (in square inches), the cost of the canvas, the amount of wood needed for the frame (inches), the cost of the wood and the total cost.

The cost of the canvas is 65 cents per square inch. The cost of wood is 75 cents an inch. For canvas to be used with a frame, it must have 5 more inches added to each side of its length and width so it can be wrapped around the frame.

Part 1

Before you start this program you are to create a skeletal program to outline your thoughts. The skeletal program should show constants, main program variables, comment lines for input, output, and any calculations. This should be printed out and shown to Mr. Smoyer **BEFORE** you start to write the program.

Part 2

All output should be neat and labeled clearly. Dollar amounts should be accurate to two decimal places and all other outputs should be accurate to 1. Units should be labeled on all outputs.

When you run your program for submission you should run it **THREE TIMES** using the following data:

	Artist	Length of Frame	Width of Frame
Run #1	Picasso	12	8
Run #2	Michelangelo	44	18
Run #3	Pollock	65	45