

Names: \_\_\_\_\_

## Drawing Function Questions

- Do we need a drawing function? → yes, if –
  - a thing consists of more than a few shapes
  - there is more than one copy of a thing (including variations) in a single frame or over a series of frames (interaction)
- drawing function definition
  - What is being drawn?
  - What differs from one copy to the next?
  - How is it drawn?
- drawing function calls
  - What are the specific values for the “what differs” things?

## At the End of Class

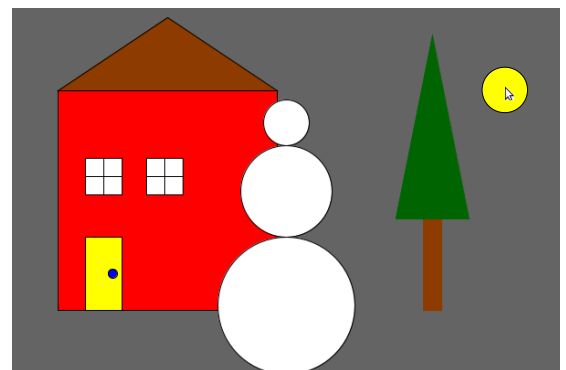
Hand in whatever you have done during class, even if a sketch is incomplete.

- Make sure each sketch is named as directed and has a comment with the names of your group. Also be sure to save your sketches! (This should be in your sketchbook ~/**cs120/sketchbook**)
- Copy the entire directory for each sketch (not only the .pde file) into your handin directory (**/classes/cs120/handin/username**). You only need to hand in one copy for the group.

## Exercises

1. Consider a sketch which draws the picture shown. The sun (in the upper right corner) should follow the mouse, with the mouse pointer in the center of the sun (as shown).

For what, if anything, should you create drawing functions? Write your answers in the space below.



- drawing functions for: tree, snowman, door, window, house (things consisting of more than one shape and, for windows, more than one copy)
- while the sun has more than one copy due to interaction (a copy in each frame), it is only one shape and so not really deserving of a drawing function

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[illegible]