Names: _____

At the End of Class

Hand in this paper with whatever you have done during class, even if a problem is incomplete.

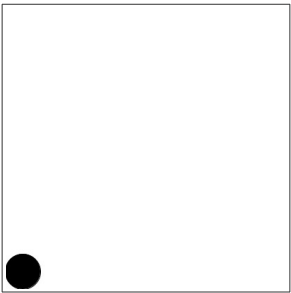- Be sure to list the names of everyone in your group!

Animation Questions

- what changes from one frame to the next? → one variable for each thing
- for each variable –
    - what kind of value is it? (whole number, number with a decimal point, true or false)
    - where does the value start?
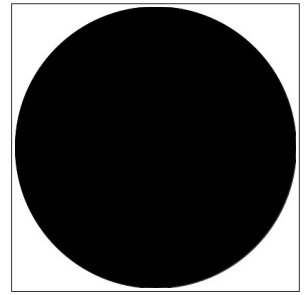   - how does the value change from one frame to the next?

Exercises

For each exercise, fill in the table with the answers to the animation questions for a sketch that works as described. One variable per line! Note: you won't necessarily need all of the lines in each table.

1. A small black circle (width and height 50) starts in the lower left corner of the window as shown and moves diagonally up and right. The drawing window is 400x400.
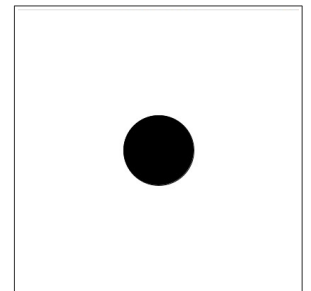

what changes?	what kind of value?	what's the starting point?	how does the value change?

2. A circle starts just filling the drawing window (as shown) and shrinks. The drawing window is 400x400.

what changes?	what kind of value?	what's the starting point?	how does the value change?

3. A circle (width and height 100) centered in the window goes from black (as shown) to red. The drawing window is 400x400.

what changes?	what kind of value?	what's the starting point?	how does the value change?

4. A circle (width and height 100) centered in the window goes from white (as shown) to red. The drawing window is 400x400.

what changes?	what kind of value?	what's the starting point?	how does the value change?

5. Four circles start in the positions shown and move as indicated by the red arrows. (You do not need to draw the arrows, the lines, or the box around the outside – those are just to help you understand how the sketch should work.) The drawing window is 600x600.

what changes?	what kind of value?	what's the starting point?	how does the value change?