

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!

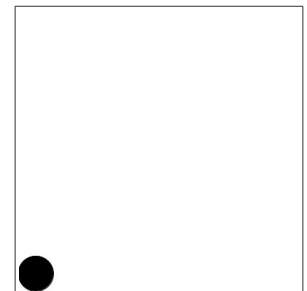
Animation Questions

- 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

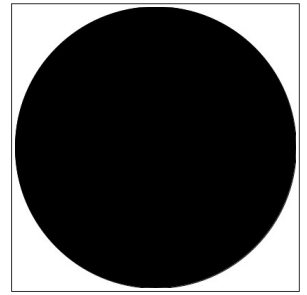
For each exercise, fill in the table with the answers to the animation questions for a sketch that works as described. One variable per line! Note: you won't necessarily need all of the lines in each table.

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.



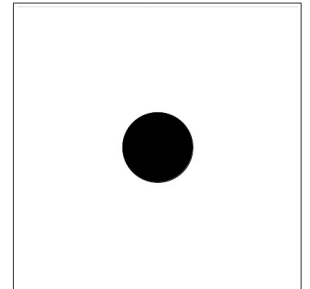
what changes?	what kind of value?	what's the starting point?	how does the value change?
x position	whole number or decimal point	CENTER - 25	gets bigger → add 1
y position	whole number or decimal point	CENTER - 375	gets smaller → sub 1

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?
size (diameter)	whole number or decimal point	400	gets smaller → sub 1

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?
red color	whole number or decimal point	0	gets bigger → add 1

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[illegible]

