



# Girls Who Code At Home

**Digital Art Rules Part 1**  
Reference Guide

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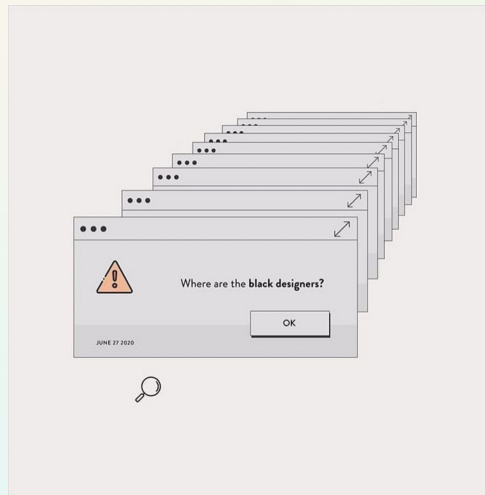


In this document you will find all of the answers to some of the questions in the activity. Follow along with the activity and when you see this icon, stop and check your ideas here.

## Step 2: Get inspired

### Analyze a piece of digital art (10-12 mins)

If you are having trouble getting started, check out how we analyzed [Samantha Morales'](#) poster from [Where are all the Black designers?](#)



First, start from your overall impression or experience with the work. Set a timer for **3 minutes** then answer the questions below:

<b>Briefly describe the piece in a couple sentences or bullet points.</b> <i>What do you notice? What sticks out to you?</i>	These types of alert windows usually pop up when something has gone wrong on a computer. It also looks like a design from a much older operating system.
<b>How does this work make you feel?</b> <i>What emotions does it bring up?</i>	Frustrated, angry
<b>What is the message?</b> <i>What is it trying to communicate?</i>	The lack of Black designers is a problem that has been around for a while and we all need to be alerted to.

Next, set the timer for **4 minutes** to analyze the design elements:

<b>What colors do they use?</b> <i>What adjectives would you use to describe the color palette?</i>	Gray, black, yellow, tan
<b>What shapes do they use?</b> <i>Where are they in space? Are they in the corners or center? Are they touching too far apart? Which shapes are big? Which are small?</i>	They use a series of overlapping rectangles that get bigger as they move to the front or foreground. There are also circles in the left corner of each rectangle. The front rectangle has a triangle with an exclamation mark on the left and a smaller rectangle on the right.
<b>Do they use lines?</b> <i>Are they thick or thin? Wavy or straight?</i>	There are thin lines with arrows in the top right of each box.
<b>Do they use text?</b> <i>If yes, how? For example, why do you think they chose that font? Is the text big or small?</i>	Yes, they use text inside of the front box to ask a question: "Where are all the black designers?" The words black designers are in bold. There is also the work "OK" in the button box.

Finally, set a timer for **2 minutes** and reflect on the system:

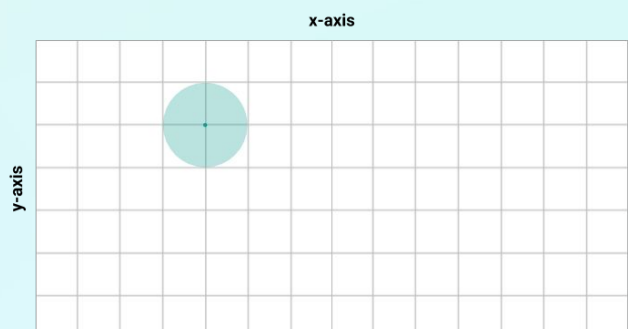
<b>What are three rules this artist might have used to create this piece of work?</b> <i>What guidelines do you think they followed?</i>	1. Use a neutral color palette (gray and tan) with one highlight color (yellow).
	2. Use rectangles, a triangle, and circles.
	3. Repeat the same shapes.

## Step 5: Meet the grid

### The coordinate system (3-4 mins)

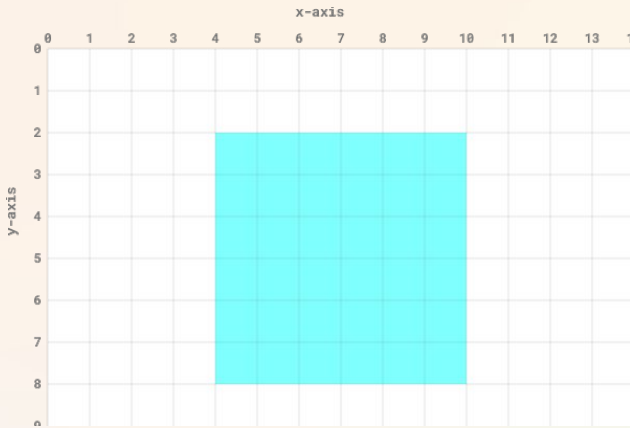
There are lots of different ways you can write this! Here are two versions:

- Start on the left side. Count 4 spaces to the right, then 2 spaces down from the top. That is the center of the circle. Draw a circle around the center that has a radius of 1.
- Circle center at (4, 2). Circle has a diameter of 2.

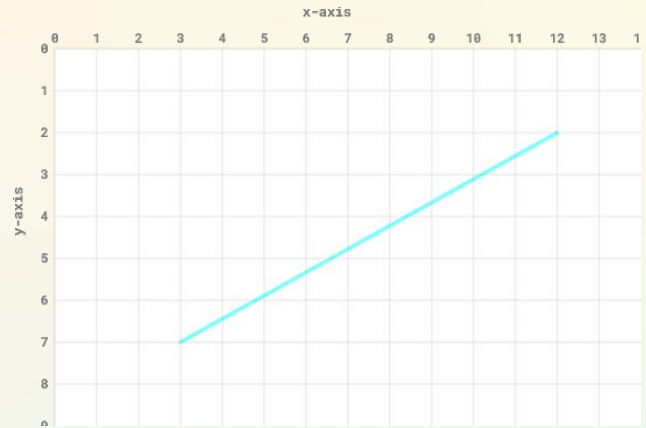


## Pixel perfect (4-5 mins)

Here is the information you need to give a computer to display the following shapes:



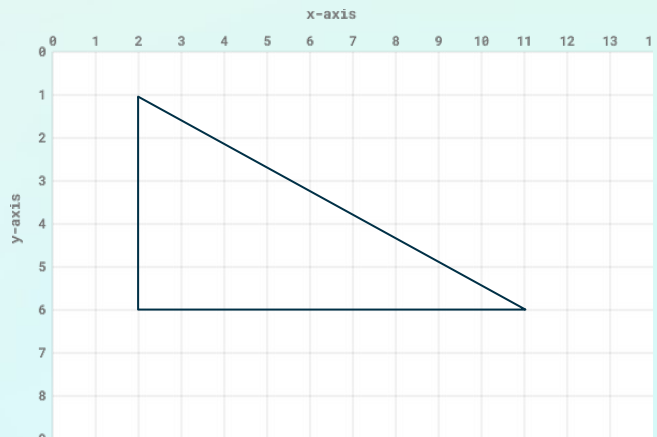
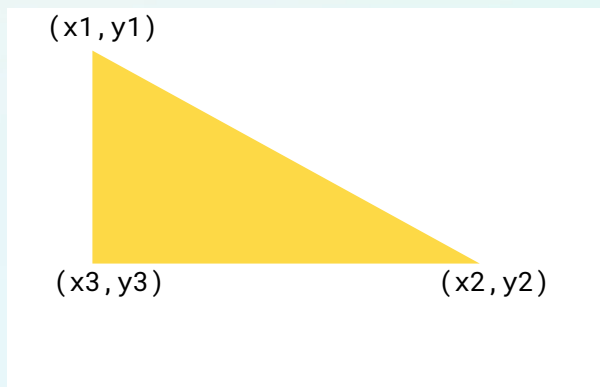
- x and y coordinates of the center point
- width
- height



- x and y coordinates of starting point
- x and y coordinates of ending point

## Practice (3-4 mins)

- **Draw the triangle on the grid.** First, label the triangle with the information you would need to give a program. Next, use that information to translate it to the grid.



- ❑ **Draw the text on the grid.** First, label the text with the information you would need to give a program. Next, use that information to translate it to the grid.

