Exercise 1-1: Looking at how we wrote the instruction for line "line(1,0,4,5);" how would you guess you would write an instruction to draw a rectangle? A circle? A triangle? Write out the instructions in English and then translate it into "code."

English: draw a rectangle from point one,zero that has a width of 5 and height of 6

rect(1,0,5,6); Code:

draw a circle that centers on point 10,9, that has the diameter of 5

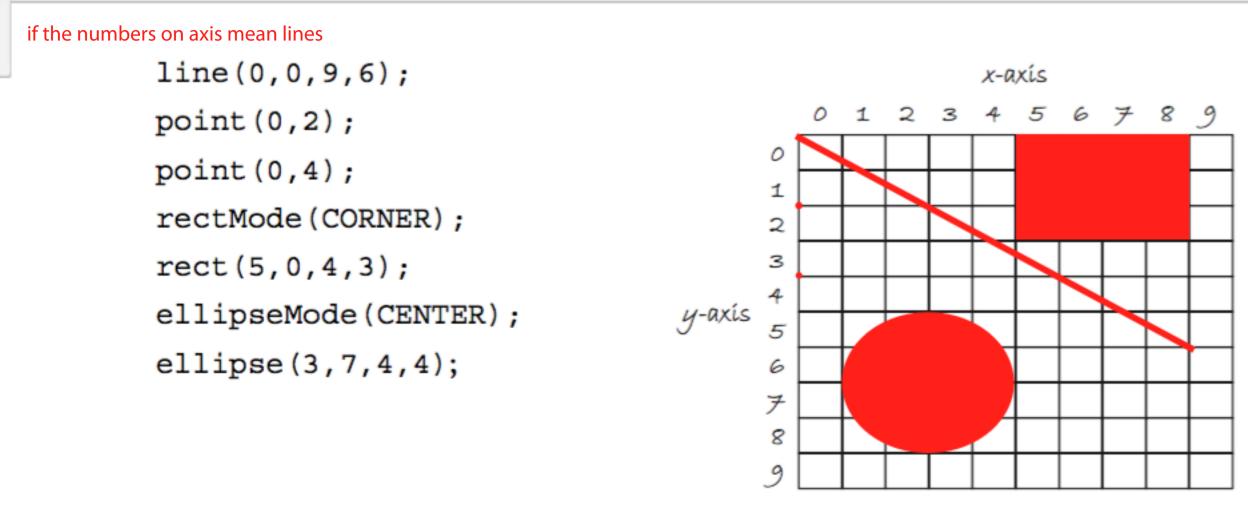
ellipse(10,9,5,5); Code:

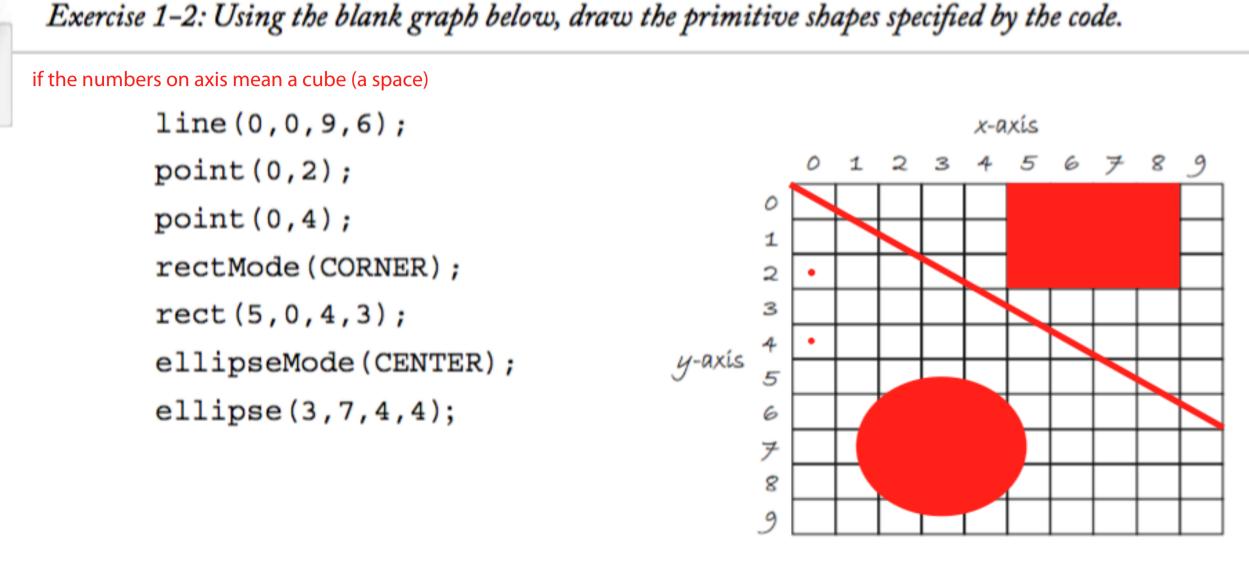
English: draw a triangle that has three points, they are 30,75;58,20;86,75;

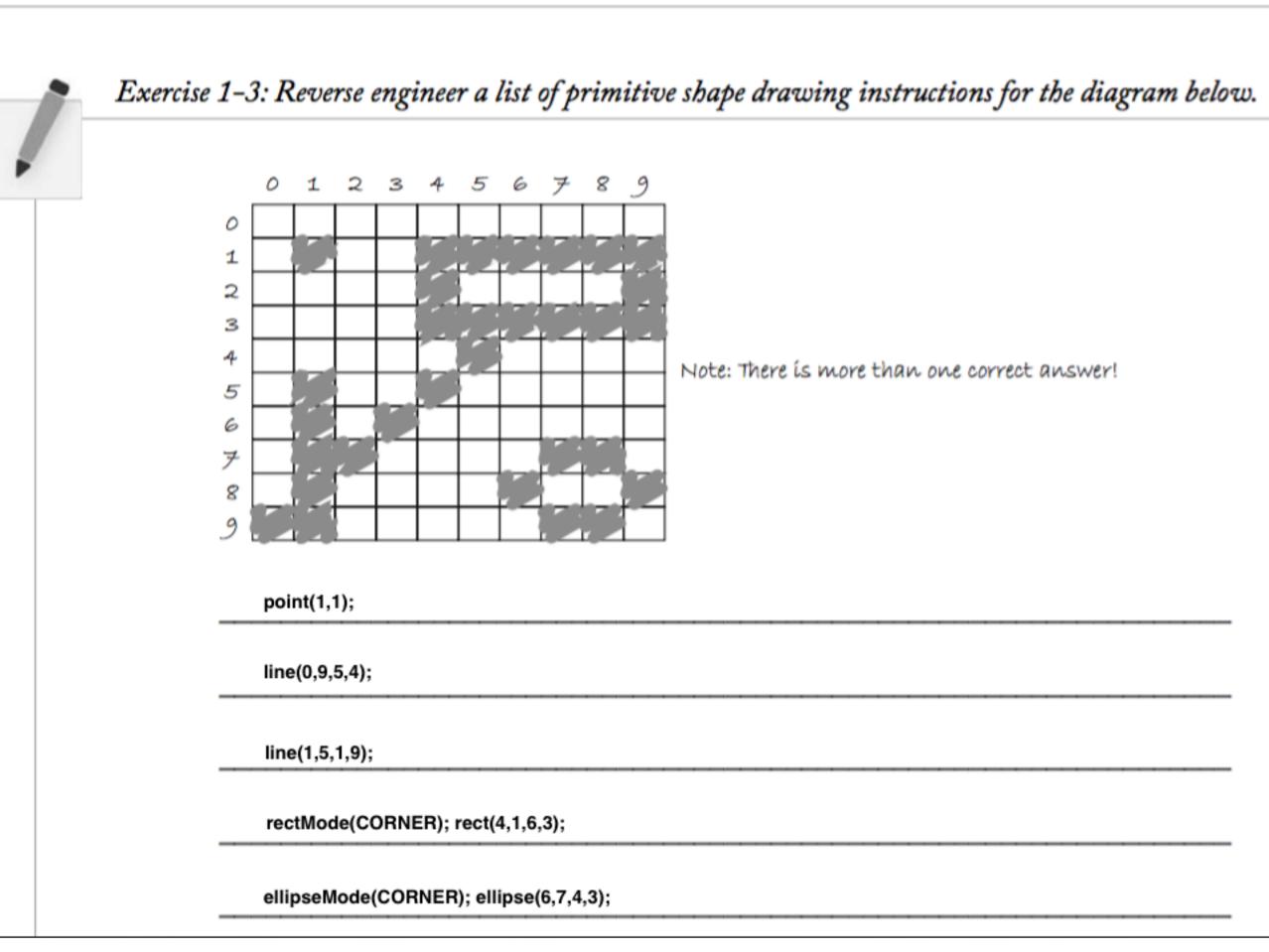
Come back later and see how your guesses matched up with how Processing actually works.

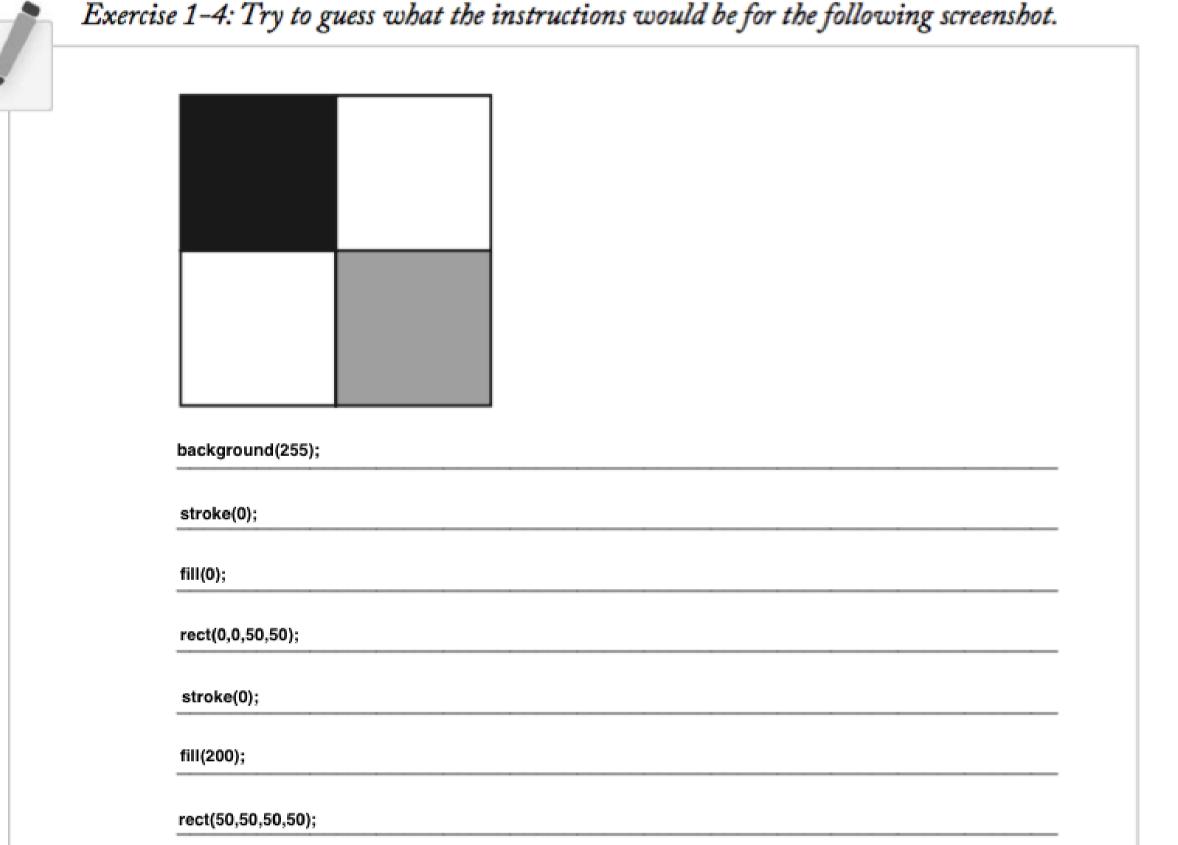
triangle(30,75,58,20,86,75) Code:

Exercise 1-2: Using the blank graph below, draw the primitive shapes specified by the code.



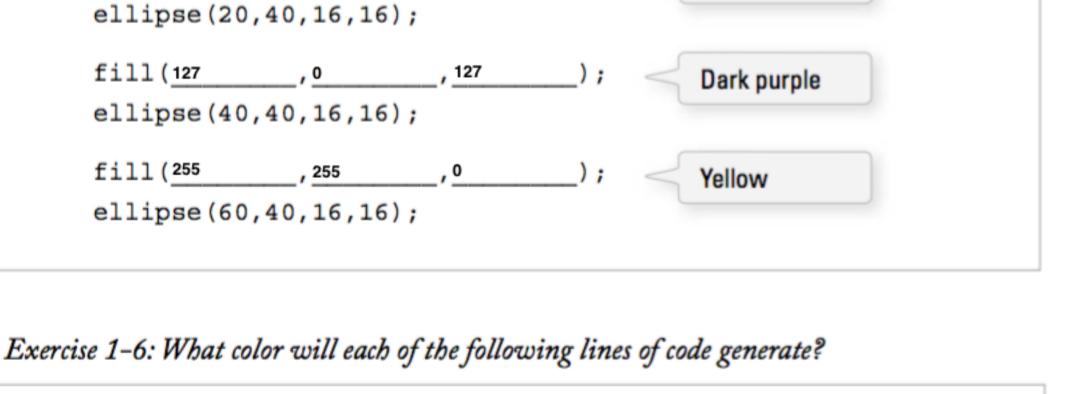






able to check your results in Processing after reading the next chapter). You could also use the color selector, shown in Figure 1.19. fill(0 **Bright blue**

Exercise 1-5: Complete the following program. Guess what RGB values to use (you will be



dark green

fill(0,100,0); fill(100); dark gray

```
stroke(0,0,200);
                                      medium blue
                                      white
  stroke(225);
  stroke(255,255,0);
                                     yellow
  stroke(0,255,255); ____
                                      persian red
  stroke(200,50,50); ____
Exercise 1-7: Design a creature using simple shapes and colors. Draw the creature by hand
using only points, lines, rectangles, and ellipses. Then attempt to write the code for the
creature, using the Processing commands covered in this chapter: point(), lines(), rect(),
```

ellipse(), stroke(), and fill(). In the next chapter, you will have a chance to test your results by running your code in Processing.

ellipseMode(CENTER);	
rectMode(CENTER);	
fill(0);	
stroke(0);	
rect(40,40,20,40);	
ellipse(50,30,30,30);	
fill(255);	
ellipse(40,25,5,5);	/ \
ellipse(60,25,5,5);	/
line(40,50,20,70);	
line(60,50,80,70);	
line(45,75,40,95);	
line(55,75,60,95);	