2-Unit 2 L 1- Worksheet Graphics Draw Commands

Time:	1	period
	-	PCIIO

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1. Label each corner of the output screen with its (x, y) coordinates. Please note: the work area shown corresponds to 800 by 500 graphics window.

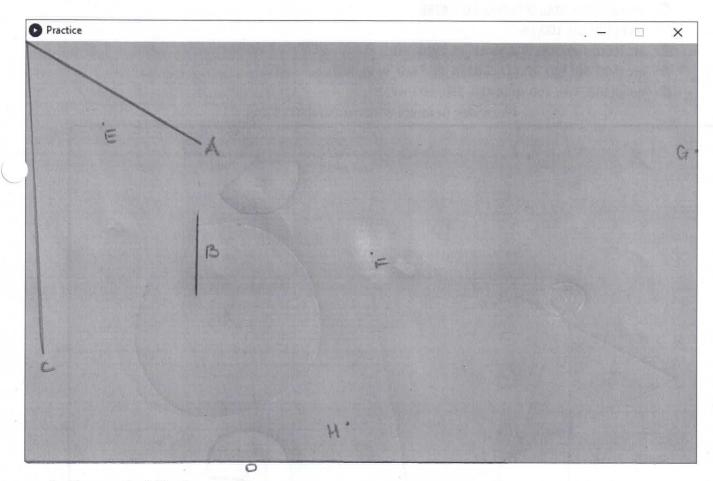
2. Draw, in the box below, each line exactly as it would appear in Processing's graphics window and label each one as A, B, C, and D next to the corresponding line.

ine (0, 0, 200, 100); Ine (200, 300, 200, 200); ine (0, 0, 20, 400);

point (110,100); * point(400,250);

©. point(799.125);

. line (0, 500, 500, 500); ₩. point(391,455);



3. Answer the following questions.

1. What is the distance in pixels from the origin (0, 0) to the top right corner of the output screen?

What is the distance to the bottom right corner of the output screen?

from the origin 4's 100500, from the top right 1-1's 500 pixels

- 3. What are the (x, y) coordinates of the top right corner of the output screen? (500,0)
- 4. In what units does the computer measure the output screen? PIXES
- 5. What happens if you 'forget' to include the size(800, 500); command?

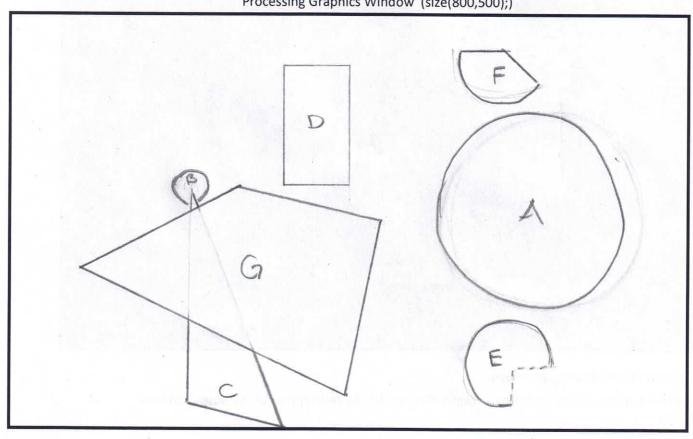
if will be the default size, which is 100×100 pixels

6. What happens if you forget the semi-colon at the end of the size or one of the line commands?

Thuc will be a suprtant error

- 4. Exercise: Draw each object exactly as it appears in the output box below and label each one as A, B, C, and D etc. next to each one.
 - ellipse(618, 218, 200, 200); // Blue circle
 - t ellipse (200, 200, 50, 50);
 - @ triangle(200, 200, 300, 500, 200, 475);
 - (300, 50, 100, 150);
 - @ arc (600, 400, 100, 100, HALF PI, TWO PI);
 - ¬♠ arc (600, 50, 100, 100, QUARTER PI, TWO PI-PI, PIE);
 - (a) quad(100, 300, 260, 200, 450, 250, 400, 475);

Processing Graphics Window (size(800,500);)



(Note : In C	ENTER mode)
ellipse (x, y, c, v);	
What is x?	x-coordinate for the ecative
What is y?	y-woordinate for the centre
What is c?	width of the ellipse of its indust part
What is v?	height of the ellipse at its longest point.
Where is the	(1)
rect (x, y, c, v);	
What is x?	X-coordinate for the centra
What is y?	y-word make or the centre.
What is c?	width of the rectangle
What is v?	height of the rectangle
Where is the	ecentre? (x,y) or where a gold one both exactly half
What theref	fore is the (x, y) coordinate pair pointing to? <u>Certice</u> to cruch There:
arc (x, y, c, v, sa, ea)	
What is x?	7- coordinate of the certire.
What is y?	y- coordinale of the centre
What is c?	midth of the circle His basel of
What is v?	height of the circle it's bessel off.
What is sa?	start raidian
What is ea?	end radian
Where is the	e centre? (x, y) or half the length's of and U.
quad(a, b, c, d, e, f, g	g ,h);
	each pair of letters represent?

5. For each of the following, explain the arguments needed in the command.

	other? No				
	Explain your answer: one example 10 corners work, where the law				
	to amove aren't the size, but the bottom right				
	come. There are differences between the vodes in other				
	B) In the space provided draw your idea of what the code below might produce. No exact coordinates ar				
20					
	cessary.				
211	ipseMode(RADIUS);				
	ellipse(400, 250, 200, 100);				
211	ipseMode(CENTER);				
	ellipse(400, 250, 200, 100);				
911	ipseMode(CORNER);				
200	ellipse(400, 250, 200, 100);				
ell	ipseMode(CORNERS);				
	ellipse(400, 250, 200, 100);				
	explain your answer: Like before the oranges my new different				
	common white they're the middle for centre.				
	B) In the space provided draw your idea of what you think he code will produce. No exact coordinates				
	are necessary.				
	rectMode(RADIUS);				
	rect(400, 250, 200, 100);				
	rectMode(CENTER);				
	A CONTRACT OF THE PROPERTY OF				
	rect(400, 250, 200, 100);				
	rect(400, 250, 200, 100); rectMode(CORNER);				
	Consumer to Market and				
	rectMode(CORNER);				
	rectMode(CORNER); rect(400, 250, 200, 100);				
	rectMode(CORNER); rect(400, 250, 200, 100); rectMode(CORNERS);				