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Use this quiz as a "crib sheet" on **using Swing, Part 1**,

	until its contents are second-nature for you.
1.	To make a frame appear in Java, you construct a
	and apply the method to it.
2.	What method sets the size of a JFrame? (Duh!)
3.	What class do you extend if you want to draw on your class?
4.	What method do you <i>override</i> to do your drawing?
5.	What must you do in the first line of that method?
6.	The Graphics object that paintComponent is given is in fact a Graphics2D object. Write the statement that casts the Graphics object called graphics into a Graphics2D object.
7.	What class has a method for drawing Shape objects like Rectangle?
8.	What method draws a Shape (like a Rectangle)? (Duh!)
9.	How does that method know what to draw?
10.	Write statement(s) that construct and draw a rectangle whose <i>upper-left corner</i> is at (80, 50) and whose width and height are 200 and 100, respectively. Assume <i>graphics2</i> is your Graphics2D object.
11.	Write statement(s) that construct and draw an ellipse whose <u>center</u> is at (40, 100) and whose width and height are 10 and 30, respectively. Assume <i>graphics2</i> is your Graphics2D object.
12.	Write a <i>single</i> statement that draws a line from (100, 300) to (150, 400). Hint: You don't have to declare the Line2D.Double object, just construct and use it! Assume <i>graphics2</i> is your Graphics2D object.

(continued on the back)

13.	If you have an Ellipse2D.Double object called (say) ellipse1, there are two ways to get its width. What are those two ways?
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14.	Is a Line2D.Double object mutable? Yes No (circle your choice)
15.	Why do you think that the designers of the Point2D.Double class chose to make Point2D.Double's mutable?
16.	A Point2D.Double is a Point2D built from two double's, as the name suggests.
	What is the name of the class for a Point2D built from two float's?
	A Point2D build from two int's?(Hint: the latter is NOT Point2D.Int, alas. Examine the Point2D class.)
17.	So far in this exercise, you have used two methods of the Graphics2D class and one of the Graphics class. What are the names of those three methods?
18.	List the names of several methods in the Graphics or Graphics2D classes that you would like to learn more about before this course is over.
19.	Write a statement that sets the color of the Graphics object named g to the predefined color cyan.
20.	Write a statement that sets the color of the Graphics object named g to half red and half green and no blue.
21.	True or false: once you use setColor to set the color for a Graphics object, all subsequent drawing and filling on that Graphics object will be in that color, unless you do another setColor on that Graphics object. True False (circle your choice)
22.	What is the name of the class you use to draw rounded rectangles?
23.	List something (surely there is something!) that became clear to you as a result of today's class.
24.	Note anything from today's session (or from the course so far) that you would like me to revisit (or write N/A).