Name			
INGILIE			

MULT	PLE CHOICE. Choose the o	one alternative that best o	completes the statement	or answers the question	on.
	-	el().setLayout(new Borde el(new BorderLayout()); el()			1)
	2) Show the output of the fo	llowing code?			2)
	import javax.swing.*;				
	<pre>public class Test { public static void main(S JButton jbtOK = new JB System.out.print(jbtOK JFrame frame = new JFr System.out.println(fram } }</pre>	utton("OK"); .isVisible() + ", "); rame();			
	A) true, false	B) false, true	C) true, true	D) false, false	
	B) jp.setLayout(FlowLa	owLayout(FlowLayout.ce ayout()); owLayout(FlowLayout.C	enter));	e all that apply.)	3)
	4) Which of the following arA) Helper classes suchC) Container classes		Component? (Choose all B) Layout managers D) Swing user interfa	;	4)
	5) Which of the following sta A) frame.setLocation(1 C) frame.setLocation(2	00, 200)	e frame's upper left corn B) frame.setLocatior D) frame.setLocatior	1(200, 100)	5)
	6) The method sets A) setForeground(Colo B) f.setForeGround(Colo C) setForeground(Colo D) f.setForeground(Col E) f.setForeground(Colo	r.yellow) lor.yellow) r.YELLOW) or.YELLOW)	yellow in JFrame f. (Cho	ose all that apply.)	6)

7) What layout manager should you use so that every component occupies the same size in the container?				
A) a BorderLayout	B) any layout	C) a GridLayout	D) a FlowLayout	
8) To specify a font to be be	old and italic, use the fo	•		8)
A) Font.BOLD C) Font.BOLD + Font.	ITALIC	B) Font.ITALIC D) Font.PLAIN		
B) frame.setDefaultC	loseOperation(JFrame.E loseOperation(JFrame.T loseOperation(JFrame.S	XIT_ON_CLOSE) ERMINATE_ON_CLOSE)	sing the frame?	9)
 10) Can you use the setBack apply.) A) Component B) Container C) JLabel D) JComponent E) JButton 	ground method to set a	back ground color for	? (Choose all that	10)
A) Can you use the setBord A) Container B) JButton C) Component D) JLabel E) JComponent	er method to set a borde	er for? (Choose all	that apply.)	11)
12) What is best to describe A) Composition	the relationship betweer B) Association	n JComponent and JButton? C) Inheritance	D) Aggregation	12)

13)	Analyze the following o	code.			13)
	import java.awt.*; import javax.swing.*;				
	public class Test {				
	public class rest { public static void mair	n(String[] args) {			
	Component c = new				
	JFrame frame = new.				
	frame.add(c);	, ,			
		eOperation(JFrame.EXIT_O	N_CLOSE);		
	frame.setVisible(true));			
	}				
	}				
		c to a container because c's Swing component directly		orior to JDK 1.4, but it	
		a JButton to a variable of ja	ıva.awt.Component.		
	D) You cannot create	a JFrame using new JFrame	e("My Frame").		
14)	The default layout out o		O) Decided const	D) 0 2 1 1 2 2 2 1	14)
	A) FlowLayout	B) None	C) BorderLayout	D) GridLayout	
15)	creates a colo	object. (Choose all that app	alv.)		15)
13)	A) new Color(0, 0, 0)	object. (Onloose all that app	B) new Color(1, 2, 3)		13)
	C) new Color(255, 25	5, 255)	D) new Color(0, 266, 0	0)	
16)	Which component cann	ot be added to a container?			16)
	A) JButton	B) JComponent	C) JPanel	D) JFrame	
		position a Button within ar	n application Frame so th	at the size of the Button	17)
	is NOT affected by the				
	B) a GridLayout	rea of a BorderLayout			
	C) the center area of	a Borderl avout			
		n area of a BorderLayout			
	É) a FlowLayout	J			
18)	The methods	ets the font (Helvetica, 20-p	oint bold) in component	C.	18)
		elvetica", Font.BOLD, 20))			
	,	nt("helvetica", BOLD, 20))			
		nt("Helvetica", Font.bold, 20) nt("Helvetica", Font.BOLD, 2			
	רי c'26ובחווו(Hew FOL	iii neiveiica , fuiii.bulu, 2	.0))		

Which of the follow	ing statements are true?	(Choose all that apply.)		19)	
	e of Component can be a				
B) To distinguish	n new Swing component	classes from their AWT co	unterparts, Swing GUI		
component classes are named with a prefix J.					
C) A container so	uch as JFrame is also a co	mponent.			
D) A user interfa	ce object such as (button,	list) can appear in one con	ıtainer.		
E) All Swing GU	I components are lightw	eight.			
20) How many frames	are displayed?			20)	
import javax.swing	*.				
public class Test ex	tends IFrame {				
•	main(String[] args) {				
JFrame f1 = new					
JFrame f2 = new	•				
JFrame f3 = new	-				
f1.setVisible(true	•				
f2.setVisible(true					
f3.setVisible(true					
}					
}					
A) 0.	B) 3.	C) 2.	D) 1.		
	ving statements are true?			21) _	
·		ont object using the getFon	itMetrics() method.		
-	e a FontMetric using new	r FontMetrics().			
•	ines the font metrics.		Common Espell Ashalon also also		
D) You can obtai	n the leading, ascent, des	cent, and height for a font	from a FontiMetrics object.		
22) Which of the follow	ving statements are true?	(Choose all that apply)		22)	
-	•	raphics() returns the object	t		
	-	nics object that can be obtain			
method.	ipononi comanica crapi	nos object that our be obtain	med doming get or aprillosty		
	obiect is automatically cr	reated for each visible GUI	component.		
	onent is not visible, getC		•		
,	· ·				
23) The following are t	ne methods to obtain fon	t properties in a FontMetric	cs object fm. (Choose all that	23)	
apply.)			, ,	′ —	
A) fm.getHeight)	B) fm.getLeadin	ng()		
C) fm.getAscent(D) fm.getDescer	0		
24) Which of the fall	ing statements are some	ot? (Choose all that are lee)		24\	
	_	ct? (Choose all that apply.)		24)	
	n image on a label, but th	_	go mothod in the Craphics		
	ran image on a GOT com nage is resizable.	ponent using the drawiina	ge method in the Graphics		
•	•	the image is not resizable.			
c) Tou can set al	i image on a button, but	ine image is not resizable.			

	aintComponent method i			25)
	paintComponent(Graphi	•		
	intComponent(Graphics	g)		
· •	paintComponent()			
D) public void pai	ntComponent(Graphics	g)		
26) Given a Graphics obj	ject g, to draw an outline	of a rectangle of width 20 an	d height 50 with the	26)
upper-left corner at	(20, 20), you use			
A) g.drawRect(20,	50, 20, 20)	B) g.drawRect(20, 2	0, 20, 50)	
C) g.drawRectFill	(20, 20, 20, 50)	D) g.drawRectFill(2	0, 50, 20, 20)	
27) Invoking re	eturns the width of the st	ring in a FontMetrics object f	m.	27)
A) fm.getWidth(s)		B) fm.getHeight(s)		·
C) getLength(s)		D) fm.stringWidth(s	5)	
28) The coordinate of the	e upper-left corner of a fr	rame is		28)
A) (25, 25)	B) (10, 10)	C) (100, 100)	D) (0, 0)	
29) Which of the followi	ng methods draws a fille	d 3D rectangle? (Choose all tl	nat apply.)	29)
A) g.fill3DRect(50	•	B) g.fill3DRect(50, 5		
C) g.fill3DRect(50	, 50, 20, 30, true)	D) g.fill3DRect(50, 5		
30) To repaint graphics, invoke on a Swing component.				
A) init()		B) repaint()		-
C) update()		D) paintComponen	t()	
31) The method	_ sets the background co	or to yellow in JFrame f. (Ch	oose all that apply.)	31)
A) setBackground	(Color.yellow)			
B) f.setBackGrour	nd(Color.yellow)			
	d(Color.YELLOW)			
D) f.setBackgroun				
E) setBackground	(Color.YELLOW)			
32) Suppose a JFrame us	es the GridLayout(0, 2). I	f you add six buttons to the f	rame, how many	32)
columns are display	ed?			
A) 4	B) 2	C) 1	D) 3	
33) Swing components t	hat don't rely on native G	GUI are referred to as		33)
A) GUI componer	nts	B) heavyweight cor	nponents	
C) lightweight cor	mponents	D) non-GUI compo	nents	

34) How many frames are displayed?				
import javax.swing.*	;			
<pre>public class Test { public static void m JFrame f1 = new JF JFrame f2 = f1; JFrame f3 = f2; f1.setVisible(true); f2.setVisible(true); f3.setVisible(true); }</pre>	ain(String[] args) { rame("My Frame");			
}				
A) 2.	B) 0.	C) 3.	D) 1.	
35) Which color is the da A) new Color(20, 0 B) f.setForeGround C) new Color(30, 0 D) new Color(0, 0, E) new Color(10, 0), 0) d(Color.yellow)), 0) 0)			35)
use A) g.drawPolyline B) g.drawPolyline C) g.drawPolygon	({3, 4, 10, 2}, {3, 10, 20, 10 (new int[]{3, 4, 10, 2}, no ({3, 4, 10, 2}, {3, 10, 20, 10	00}, 4) ew int[]{3, 10, 20, 100}, 4)		36)

B) false

37) _____

37) You can draw graphics on any GUI components.
A) true

```
import java.awt.*;
   import javax.swing.*;
   public class Test {
    public static void main(String[] args) {
     JFrame frame = new JFrame("My Frame");
     frame.add(new JButton("OK"));
     frame.add(new JButton("Cancel"));
     frame.setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE);
     frame.setSize(200, 200);
     frame.setVisible(true);
    }
   }
     A) Only button Cancel is displayed.
      B) Only button OK is displayed.
      C) Both button OK and button Cancel are displayed and button OK is displayed on the left side
        of button OK.
     D) Both button OK and button Cancel are displayed and button OK is displayed on the right side
        of button OK.
39) Given a Graphics object g, to draw a filled oval with width 20 and height 30 centered at (50, 50),
                                                                                                        39) ____
   you use _____.
     A) q.fillOval(40, 35, 20, 30)
      B) g.fillOval(50, 50, 20, 30)
      C) g.fillOval(30, 30, 40, 30)
      D) g.fillOval(50, 50, 40, 30)
      E) g.fillOval(30, 30, 20, 30)
                                                                                                        40) _____
40) You can use methods _____ on any instance of java.awt.Component. (Choose all that apply.)
      A) setLayout
```

- B) setForeground
- C) setFont
- D) setBackground
- E) getFont