IN-LECTURE QUESTIONS FOR VIDEO 8.1

Note: See the answer key at the bottom of this file.

- 1. Which hexadecimal value represents an opaque gray color?
 - a. ff808080
 - b. ff000000
 - c. ffffffff
 - d. 80808080
 - e. 80000000
 - f. 80ffffff
- 2. Write the missing code to set 'blue' to the integer value of opaque blue.

```
int blue = __ff000080;
```

- 3. Check all that apply. If an ImageView with a small bitmap is set as the entire content view, which of the following is true?
 - a. The bitmap will be displayed at 1:1 resolution (i.e. one bitmap pixel to one screen pixel)
 - b. A layout xml must also be used
 - c. The bitmap sharp edges will be smoothed
 - d. The bitmap will be scaled up to fit the content view
- 4. What are the drawLine parameters?
 - a. canvas.drawLine(startX, stopX, startY, stopY, paint)
 - b. canvas.drawLine(startX, startY, stopX, stopY, paint)
 - c. canvas.drawLine(startX, stopX, lengthX, lengthY)
- 5. Which of the following hexadecimal values is opaque blue?
 - a. ffff0000
 - b. ff00ff00
 - c. ff0000ff
 - d. 80ff0000
 - e. 8000ff00
 - f. 800000ff
- 6. Which View method do you override to customize the redrawing of a view?
 - a. onDraw()
 - b. onDraw(Canvas c)
 - c. ondraw()
 - d. onPaint()
 - e. onPaint(Canvas c)
- 7. In Java, what is the value of 12/5 and x/y where int x=8, y=10?
 - a. 2 and 0 respectively
 - b. 2.4 and 0.8 respectively
 - c. 2.4 and an exception is thrown
 - d. Unknown

8. If the view is 600 pixels high and the bitmap is 400 pixels high, what is the value of scale below?
<pre>float scale = view.getHeight() / bitmap.getHeight();</pre>
9. Write the missing code to cast the int value to ensure that float division, not integer division, is
used.
<pre>float scale = v.getHeight() / (bitmap.getHeight());</pre>
10. Check all that apply. Which of the following are true for $paint.setStrokeWidth(w)$?
a. It sets the width of future lines (in pixels)
b. If w is 0 then a hairline (single pixel) line will be drawnc. Width 'w' must be at least 1
C. Width willust be at least 1
11. Which one of the following is true when you draw a line from (x1,y1) to (x2,y2) and anti-aliasing is set to false?
a. The line starts at $(x1,y1)$ and always paints the end pixel at $(x2,y2)$
b. The line starts at (x1,y1) but does not paint the end pixel at (x2,y2)
c. The line starts at $(x1,y1)$ and paints the end pixel at $(x2,y2)$ if the strokeWidth is positive d. The line starts at $(x1,y1)$ and paints the end pixel at $(x2,y2)$ if the strokeWidth is zero
a. The line starts at (A2), 27 and paints the end pixel at (A2), 27 in the stroke what his zero
<pre>12. Complete the code to draw the boundary but not to fill a rectangle shape. paint(Style.STROKE);</pre>
13. Check all that apply. Which of the following are true?
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ANSWER KEY:

- 1. a
- 2. 0x
- 3. c, d
- 4. b
- 5. c
- 6. b
- 7. a
- 8. 1
- 9. (float)
- 10. a, b
- 11. b
- 12. setStyle
- 13. a, b, d