Pix Lab Activity

**A1 Questions:**

1. 8 bits are needed to represent numbers from 0 to 255.
2. 3 bytes are necessary to represent color in the RBG model.
3. 640x480 = 307,200 pixels

**A2 Questions:**

1. Pink can be made by combining red and blue.
2. Yellow can be made by combining red and green.
3. Purple can be made by combining blue and green.
4. White can be made by combining a lot of red, green, and blue in equal amounts.
5. Dark gray can be made by combining very little red, green, and blue in equal amounts.

**A3 Questions:**

1. Row index for top left is 0.
2. Column index for top left is 0.
3. Rightmost column index is 639.
4. Bottommost row index is 479.
5. Row index increases from top to bottom.
6. Column index increases from left to right.
7. Zooming in too much results in pixilation.

**A3 Exercises:**

1. public static void main( String args[])

{

Picture pix = new Picture("femaleLionAndHall.jpg");

pix.explore();

}

1. public static void main( String args[])

{

Picture pix = new Picture("myPicture.jpg");

Picture smallPix = pix.scale(0.25, 0.25);

smallPix.explore();

}

**A4 Exercises:**

Found in source code

**A5 Questions:**

1. Yes
2. Yes
3. No
4. Yes
5. Yes
6. Yes
7. No

**A7 Exercises:**

1. 90 times
2. 112 times
3. Done

**The rest are in the code**