A1

1. 8 bits
2. 1 byte
3. 640 \* 480 = 307200 Pixels

A2

1. R = 255, G = 153, B = 255
2. R = 255, G = 255, B = 0
3. R = 153, G = 0, B = 153
4. R = 255, G = 255, B = 255
5. R = 102, G = 102, B = 102

A3

1. 0
2. 0
3. 639
4. 479
5. Left to right
6. Top to bottom
7. Yes I can see the squares

public static void main( String args[]){

Picture p = new Picture("opRobot.png");

Picture smallBoi = p.scale(0.5, 0.5);

smallBoi.write("coolBeans.jpg");

smallBoi.explore();

}

A4

public int getCount(int target){

int cnt = 0;

for(int i = 0; i < matrix.length; i++){

for(int j = 0; j < matrix[i].length; j++){

if(matrix[i][j] == target){

cnt++;

}

}

}

return cnt;

}

public int getLargest(){

int mx = -2147483648;

for(int i = 0; i < matrix.length; i++){

for(int j = 0; j < matrix[i].length; j++){

mx = Math.max(mx, matrix[i][j]);

}

}

return mx;

}

public int getColTotal(int j){

int sum = 0;

for(int i = 0; i < matrix.length; i++){

if(matrix[i].length > j){

sum += matrix[i][j];

}

}

return sum;

}