"BREAKOUT" IS A STUPID GAME.
Announcements

• Assignment 7 out today
• Classwork today is start Assignment 7, so there is no classwork to turn in for today.
• Topic today is more on 2D arrays
• No reading for next class. No Reading quiz.
Assignment 7 - Pixmap

• Wrapped up our 2-D array into a class

• Pixmap
  – private String myFileName;
  – private BufferedImage myImage;
  – private Dimension mySize;

• Create a pixmap

• Get and Set a color from one pixel
  – public Color getColor (int x, int y)
  – public void setColor (int x, int y, Color value)
Other Pixmap methods

• public String getName ()
• public boolean isInBounds (int x, int y)
• public Dimension getSize ()
• public void setSize (int width, int height)

• NOTE: Look at code for “Negative” – it’s already been done for you
Mirror Vertically and Horizontally

• Mirror vertically
  – Think about writing a swap method

• Mirror horizontally
• Example –
  – Expand by 3 rows and 2 columns
Filter – Blur and Edge Detection

- Example – Blur 9 x 9

- Example – Edge Detection 5x5