Our website!

http://techgirls.cs.vt.edu/

More Image Fun!

Today:
Collages and
Combining Transforms

What you might do
Copy an image to a certain location

```java
public void copyImage(Picture from, Picture to, int startX, int startY)
{
    for (int x = 0; x < from.getWidth(); x++)
        for (int y = 0; y < from.getHeight(); y++)
            to.getPixel(x, y).setColorFrom(from.getPixel(x, y));
}
```

To place 4 copies of the image

```java
public class Tile extends ImageTransform
{
    @Override
    public Picture transform(Picture in)
    {
        Picture out = new Picture(in.getWidth() * 2, in.getHeight() * 2);
        copyImage(in, out, 0, 0);
        copyImage(in, out, in.getWidth(), in.getHeight());
        ...???...
        return out;
    }

copyImage(Picture from, Picture to, int startX, int startY)
...
```

How is it done?

- What kinds of transforms?
- What image size?
- How did they all end up in the same image?
Let’s go to the code!

Activities
- Dream up your own collage
- Sketch it on paper
- Create your own Java class and write your own version of collage!
- Use your own images!