Style facts

- Good style is...
  - Both an art and a science.
  - Open to some debate, yet mostly agreed upon.
  - The product of years of suffering due to bad style.

- Good style reduces errors, and...
  - Software errors cost the US economy about $60 Billion annually!
  - Software errors have resulted in many spectacular failures (source)

- Good style reduces maintenance costs, and...
  - Only 10% of development costs go into writing code, the other 90% into maintaining it (source)

- Good style will...
  - Help you get an "A"
  - Help you get a "job"
  - Help you be happy, healthy, prosperous, and keenly admired by all.

- Some Style Guides:
  - The Official PEP-8 Python Style Guide
  - Google Python Style Guide

Other style guidelines:

- Include your name, andrew id, and section in a comment at the top of every file you submit
- Use a clear, robust design
- Use meaningful variable and function names (whenever possible)
- Use proper mixedCase/camelCase naming, with the first letter in lowercase (eg: tetrisPiece)
- Include all obvious boundary cases in test functions
- Use helper functions liberally. Do not have more than 20 lines in any one function (or 25 lines for functions using canvas.data or graphics)
- Comment liberally but not excessively, using clear language in comments
- Do not exceed 80-characters in any one line
- Indent properly
- Do not use magic numbers. In particular, every number besides -2, -1, 0, 1, or 2 must be stored in a well-named variable.
- Do not be grossly inefficient
- Do not duplicate code (instead of copy-pasting, place the code in a helper function)
- When appropriate, provide meaningful UI (clear prompts, clear output)