Exercise: R Basics

Day 1, Part A

- 1. Start a new R script for the answers to this exercise. Add a header with your name, the date, and a description of the code.
- 2. Load the stats and ggplot2 packages (just for practice, we're not going to use these yet).
- 3. Use two different functions to find the base 2 logarithm of 512 (hint: see the help file for log()).
- 4. Consider the round() function.
 - a. Pull up the help file.
 - b. What does this function do?
 - c. What arguments does this function take?
 - d. Which (if any) arguments are required?
 - e. Which (if any) arguments have defaults? What are these defaults?
 - f. Round 365/12 to the nearest 10th, naming all arguments.
 - g. Round 365/52 to the nearest 100th, without naming any arguments.
- 5. Solve for x: $3x^2 + 5x 20 = 0$ (hint: https://en.wikipedia.org/wiki/Quadratic_formula).