Assignment 1 (for discussion and quizzing at tutorial week of Jan 13, but not for hand-in)

- Read Lecture 1 and Chapter 1 from the textbook.
- Practice problem set:
- 1.1: # 7-10, 25, 31, 34, 36, 37, 45, 73, 74, 76, 79 p 19-23
- 1.2: # 2, 4, 6, 8, 9 p 33
- 1.3: # 3, 9, 12, 13, 16, 17, 20, 23, 31, 33, 34, 38, 40, 43, 44, 51, 62 p 42-44
- 1.5: # 4, 14, 16, 19 p 57
- 1.6: # 5-12, 17, 21, 25, 26, 36, 38, 40, 41, 49, 51-57, 65, 66, 69, 70 p 69-71

Note: # 7-10 means #7, 8, 9, and 10.

Extra question:

For which numbers *a*, *b*, *c*, and *d* will the function

$$f(x) = \frac{ax + b}{cx + d}$$

satisfy $f\big(f(x)\big) = x$ for all x.