CSE 332: Data Abstractions

QuickCheck: AVL Trees Solutions (due Thursday, January 28)
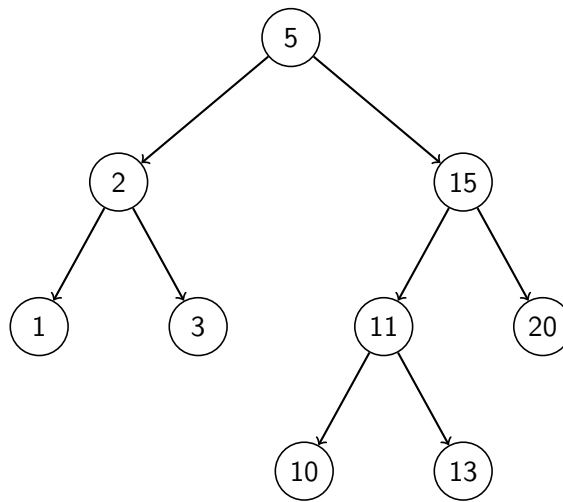
0. Balancing Act

(a) Insert the following numbers into an **AVL Tree** in the order provided:

$$10, 15, 5, 2, 1, 3, 20, 13, 11$$

Showing your work might be prudent on a real exam (for partial credit).

Solution:

NOTE: We will need to do a single rotation when inserting the 1 and the 20, and a double rotation when inserting the 3 (10-2-5 kink) and the 11 (10-13-11 kink).