1. Suppose that you are running a race, and that $f(t)$ represents your distance from the finish line at time t.

  a) Sketch a possible graph of f.

  b) Suppose that your friend also ran the race, and that $g(t)$ represents his distance from the finish line at time t. Sketch on the same axes a possible graph of g assuming that your friend won the race.

2. Sketch a graph satisfying the following properties:

  a) The domain is $[0, 3) \cup (3, 4] \cup (5, 6]$.

  b) The range is $[-4, -1] \cup (0, 5]$.