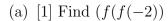
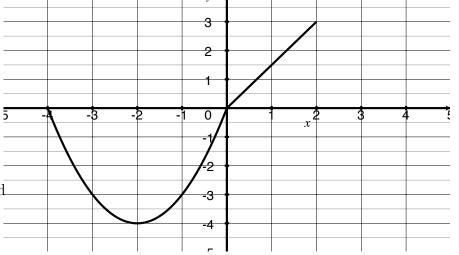
## Quiz 2

Show all your work. Reasonable supporting work must be shown for any partial credit.

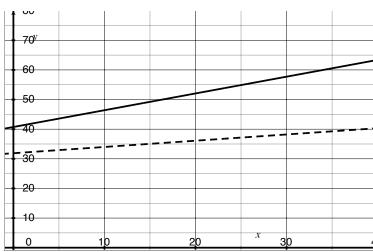
1. Consider the graph of f shown on the right.



(b) [3] Given that f is comprised of a line & a parabola, find the piece-wise defined algebraic rule of f.



- (c) [3] Graph the function g defined by g(x) = f(x+1) + 2
- 2. The functions below (approximately) return the median annual income (reported in thousands of dollars) of Americans since 1960 for white Americans (w) and latinx Americans (l).
  - (a) [1] Let x be the years since 1960, then w(x) = .566x + 40.738, and l(x) = .211x + 31.886. Identify which line is w and which line is l.



(b) [2] Which population is seeing a larger increase in their median annual income? Justify your answer.