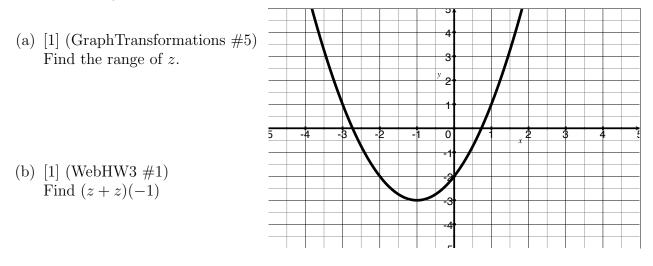
Quiz 2

Show *all* your work. Reasonable supporting work must be shown to earn credit. There are two sides to this quiz.

- 1. (§1.5 #116) Let f be the function that associates the employee number x of each employee of the ABC Corporation with his or her annual salary f(x) in dollars.
 - (a) [1] Jodi's employee number is 12345. Interpret what f(12345) = \$40,000 means in terms of dollars and people.
 - (b) [3] Suppose the employee making \$25,000 or more received a 3% raise, while those making less than \$25,000 received a 9% raise. Write a function to describe these new salaries.

2. Consider the graph of z below which is a parabola that has been shifted both vertically and horizontally.



- (c) [1] (WebHW3 #3) Find $(z \circ z)(-1)$
- (d) [3] (Fall2018 TMath120 Quiz2) Find the algebraic rule/expression of z