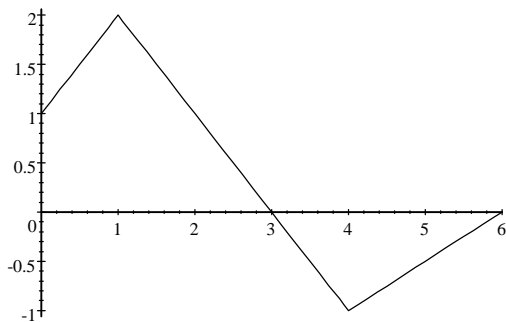


Math 151

Quiz 2

Show all work in a neat and organized fashion. Clearly indicate your answers.  
10 points possible.

1. (2 pts.) The graph of  $f$  is given. Use it to graph the function  $y = f(2x)$ .



2. (4 pts.) Let  $f(x) = 8 + \sqrt{x}$  and  $g(x) = 9 - \sqrt{x}$ . Find  $f \pm g$ . Then find the domain of  $f \pm g$ .

3. (4 pts.) A rectangle has perimeter 50 meters. Express the area of the rectangle as a function of the length of one of its sides.