1. (6 points) Find the ranges of the following functions:
   
   (a) (3 points) $f(x) = 2x^2 + 4x + 5$

   (b) (3 points) $g(x) = (\sin x)^2 + 1$
2. (9 points) A function $f$ is given by

$$f(2x + 5) = 4x^2 + 1.$$ 

Find the following:

(a) (3 points) $f(15)$

(b) (3 points) $f(0)$

(c) (3 points) $f(x)$