

Math 70 - Quiz 7 Sections 5.1-5.2, Friday March 21st, 2008

1). Construct an exponential function that goes through the points:  $(0, 5)$  and  $(1, 10)$ .

2). In 1995 laptop computers typically cost \$4,000. As the demand increased over the years their cost dropped. By the year 2000 their typical cost was \$2,000. Create two models, let  $f(t)$  be a linear model and  $g(t)$  be the exponential model, where  $t$  is the number of years after 1995.

(note: for  $g(t)$ , leave your answer under the radical or with fractional exponent).