

Math 70 - Quiz 8 Sections 5.1-5.3, Friday November 2nd

1). Find the formula for the exponential functions that satisfy the following conditions:

a). $f(0) = 5$, $f(1) = 10$

b). $h(0) = 16$, $h(1) = 4$

2). In 1995 laptop computers typically cost \$4,000. As the demand increased over the years their cost dropped and 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).