Algebra 2

5-06 Composition of Functions



The function C(x) = 8.74x represents the cost (in dollars) of producing *x* shirts. The number of shirts produced in *t* hours is represented by x(t) = 84t. (a) Find C(x(t)). (b) Evaluate C(x(40)) and explain what it represents.

 $271\ \#1,\ 5,\ 9,\ 13,\ 17,\ 21,\ 25,\ 31,\ 33,\ 37,\ 43,\ 45,\ 47,\ 49,\ 51\ =\ 15$