- 7. [8 points] Consider the three functions described below.
 - The local animal shelter has a number of dogs available that people can adopt for free. The weight of a dog at the animal shelter is a function of its length. Let f(L) be the weight, in pounds, of a dog at the animal shelter that is L inches long.
 - There is also a dog washing service. The amount they charge to wash a dog is a function of the dog's weight. Let g(W) be the price, in dollars, they charge to wash a dog that weighs W pounds.
 - The amount of food a dog eats is a function of the dog's weight. Let h(W) be the cost, in dollars, of a month's supply of food for a dog that weighs W pounds.

Assume that f, g, and h are invertible functions. Fill in each blank below with an appropriate expression. The expression may involve one or more of the functions defined above.

Example: If you have a dog that a month's supply of food for you	at weighs 29 pounds, it will cost ir dog.	h(29) dollars to buy
a. [2 points] You are consider:	ing adopting a dog that is 34 inc	hes long. That dog weighs
pounds	i.	
b . [2 points] You have a dog t	hat weighs 25 pounds. If you get	your dog washed, and then
buy a month's supply of foo	od for it, you will spend a total of	f dollars.
c. [2 points] For \$30, you can	buy a month's supply of food fo	r a dog that weighs
pounds	i.	
d. [2 points] If you adopt a do	g that is 18 inches long and want	to get it washed, it will cost
you dol	llars.	