**1.4.1 Activity**

Let *f(x) = 10x* and *g(x) = x + 4*. Perform the indicated operation and state the domain. Use Math Type Lite or Word’s Equation Editor to type your answer next to the problem.

1. 
2. 
3. 
4. 
5. 
6. **
7. **
8. **

Perform the indicated operation and state the domain. Type your answer next to the problem.

1. **
2. 
3. Jen and Priya decide to go out to the Hamburger shack for lunch. They each have a 50-cent coupon from the Sunday newspaper for the Super-Duper-Deluxe $5.49 Value Meal. In addition, if they show their I.D. cards, they’ll also get a 10% discount. Jen’s server rang up the order as Value Meal, coupon, then I.D. discount. Priya’s server rang up the meal as Value Meal, I.D. discount, then coupon.
4. How much did each girl pay?
5. Write the function, C(x),that will deduct 50-cents from a price (x).
6. Write a function D(x), that will take 10% of a price (x).
7. Find C(D(x)).
8. Which server used C(D(x)) to calculate the price of the meal?