Function Composition: Guided Notes

# Revisit the Coupon Conundrum

If we apply the 20% off coupon first, then the $10 off coupon, that means that the output of  becomes the input of . In other words, we would have . Find .

Now find . What does it mean, regarding our coupons?

# Composition of Functions Notation



read as “ of  of ” or  
“the composition of  and ”



read as “ of  of ” or  
“the composition of  and ”

# Example Problems

Let  and . Perform each of the following operations. Indicate any restrictions in the domain.

**1)** 

**2)** 

**3)** 

**4)** 