I. Composite Function (p.677):

$(f \circ g)(x) = f[g(x)]$ composition of $f(x)$ with $g(x)$

II. Examples (p.686): Exercises #4,10,12

III. Inverse Function (p.680):

1. If $(f \circ g)(x) = x = (g \circ f)(x)$ then $f(x)$ and $g(x)$ are inverse functions (*i.e.*, they reverse the effects of each other)
2. $f^{-1}(x)$ denotes a function that is the inverse of $f(x)$

IV. Examples (p.686): Exercises #18,20,24

V. Procedure for finding $f^{-1}(x)$

1. Switch the variables "x" and "y"
2. Solve the resulting equation for "y"

VI. Examples (p.687): Exercises #30,32,40,42

HW: pp.686-687 / Exercises#3,7,9,11,13,15,19,21,
25,29,31,33,39,41

Read pp.691-699 (section 9.3)