




5.1 HW

- **5-60.** In problem 5-56, you looked at the inverse of $y = 3^x$. Finish investigating this function. [Homework Help](#) 
- **5-61.** Consider the function of $f(x) = \frac{2}{7-x}$. [Homework Help](#) 
 - a. What is $f(7)$?
 - b. What is the domain of $f(x)$?
 - c. If $g(x) = 2x + 5$, what is $g(3)$?
 - d. Now use the output of $g(3)$ as the input for f to calculate $f(g(3))$.
- **5-66.** Factor each expression completely. [Homework Help](#) 
 - a. $x^2 - 49$
 - b. $6x^2 + 48x$
 - c. $x^2 - x - 72$
 - d. $2x^3 - 8x$