

Math 2311
Homework 3 (Chapter 3)

Name: _____ Dischollat's ID: _____

-
- 1. Homework will NOT be accepted through email or person. Homework must be submitted through Canvas/Blackboard BEFORE the deadline.
 - 2. Post your final file to Canvas and complete the problems.
 - 3. Write in final order development or type your solutions in the space provided. You must show all work for full credit.
 - 4. Submit this assignment to <http://www.cook.edu/blackboard/assignments/> and choose **HW3**.
 - 5. Good luck on your points. **45**
-

1. Section 3.1: Problems 11

Given: $f(x) = 3x^2 + 5x - 1$, $g(x) = 2x^2 + 3x - 1$, $h(x) = 4x^2 + 7x - 1$; $x \in \mathbb{R}$; $x \neq 0$; expand all values

Find: $f(x) + g(x) + h(x)$; $g(x) - f(x)$; $h(x) - g(x)$

$f(x) + g(x) + h(x)$ expand to: $9x^2 + 15x - 3$; $9x^2 + 15x - 3$ expand to: $9x^2 + 15x - 3$

Answer: $f(x) + g(x) + h(x) = 9x^2 + 15x - 3$; $g(x) - f(x) = 1.0000000000000000$ or 1.00