

Math 3280 Worksheet 22: The Wronskian

Group members (2 to 4): _____

(1) Compute the Wronskian of the functions 1 , x , and x^2 .

(2) Compute the Wronskian of the quadratic Bernstein polynomials $f_1 = x^2$, $f_2 = 2x(1 - x)$, $f_3 = (1 - x)^2$. What can you conclude about their linear independence?