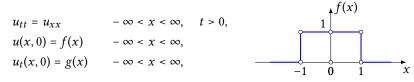
## Math 404, Fall 2020 Homework #7

1. (6 points) Consider the initial boundary value for the wave equation



Take f(x) as shown, and g(x) = 0. Sketch the graphs of the solution u(x, t) at times t = 0.2, 0.5, 1, 2. Clearly mark the coordinates of significant points on your graphs.

2. (8 points) In the previous problem, take f(x) = 0 and g(x) as shown. Sketch the graphs of the solution u(x, t) at times t = 0, 1, 2. Clearly mark the coordinates of significant points on your graphs. —

