Attendance Quiz for Lecture 12

NAME: (print!) _____   **Section:** _____

E-MAIL ADDRESS: (print!) _____

1. Find the first three coefficients of the Fourier-Legendre expansion of

$$f(x) = \begin{cases} 2, & \text{if } -1 < x < 0; \\ 3, & \text{if } 0 \le x < 1. \end{cases}$$