

**Math 112**  
**Quiz 2**  
**Friday, February 1, 2008**

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1. Evaluate  $\int \frac{5x + 7}{(x + 1)(x + 2)} dx$ .

2. Consider the integral  $\int_{-1}^3 (x + 1) dx$ . Draw a sketch that illustrates the approximating sums  $L_4$  and  $R_4$ . Compute each approximation and compare it with the exact value of the integral computed using the FTC.