

Quiz 4  
3/13/2023

1. Find the partial fraction decomposition of  $\frac{x}{(x+1)(x+2)}$ .

2. Let

$$\frac{x}{(x-1)^2} = \frac{A}{x-1} + \frac{B}{(x-1)^2}$$

Determine  $A$  and  $B$  and then find the integral  $\int_{-1}^0 \frac{x}{(x-1)^2} dx$ .