NAME:_____ ID:_____ Section: _____

Exercise 1 (5 points)

Write $\dfrac{x^2 + x + 4}{x^3 + 3x^2 + 7x + 5}$ in partial fractions.

Exercise 2 (5points)

Evaluate $\displaystyle\int_0^{+\infty} \dfrac{1}{x^2 + 2x + 5}dx$

NAME:_____ ID:_____ Section: _____

Exercise 1 (5 points)

Write $\dfrac{x^2 + 5x + 4}{x^3 + 3x^2 + x - 5}$ in partial fractions.

Exercise 2 (5points).

Evaluate $\displaystyle\int_0^{+\infty} \dfrac{1}{x^2 + 4x + 5}\,dx$