## $\begin{array}{c} KFUPM-Department\ of\ Mathematics\ and\ Statistics-Term\ 112\\ \hline MATH\ 102\\ \hline QUIZ4\#\ Code\ 1\ (Duration=20\ minutes) \end{array}$

NAME:	ID:	_ Section:
Exercise 1 (5 points)		
Write $\frac{x^2 + x + 4}{x^3 + 3x^2 + 7x + 5}$ in partial fractions.		

Exercise 2 (5points)

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

## KFUPM – Department of Mathematics and Statistics – Term 112

MATH 102 QUIZ # 4 Code 2 (Duration = 20 minutes)

NAME:	ID:	Section:

Exercise 1 (5 points)

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

Exercise 2 (5points).

Evaluate 
$$\int_0^{+\infty} \frac{1}{x^2 + 4x + 5} dx$$