

Name: \_\_\_\_\_

Section: \_\_\_\_\_

R·I·T SCHOOL OF MATHEMATICAL SCIENCES

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## 24 - Algebraic Manipulation I

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MATH 211

Rewrite the following rational expression using a partial fraction decomposition.

$$\frac{x+2}{(x+1)(x+4)^2}$$

Find the inverse Laplace Transforms of the following function.

$$F(s) = \frac{s+1}{s(s^2+1)}$$