

Math 2B Worksheet: 7.4 Partial Fractions

Write your names and Student ID numbers at the top of the page
Evaluate the integrals.

1. $\int \frac{3x^2 + 6x + 2}{x^2 + 3x + 2} dx$

2. $\int \frac{10}{(x-1)(x^2+9)} dx$

3. $\int \frac{x+4}{x^2+2x+5} dx$ (Hint: Complete the square in the denominator)

4. $\int_0^1 \frac{t^2+t+1}{(t+1)^2(t+2)} dt$