

MATH 126 SPRING 2011, QUIZ 4

1. Write out the form of the partial fraction decomposition of the function.  
Do NOT determine the numerical values of the coefficients.

$$\frac{2x + 17}{(x^3 + x^2)(x + 1)(x^2 + \pi)^3}$$

2. Evaluate the integral.

$$\int \frac{5x^2 + 3x - 2}{x^3 + 2x^2} dx$$