

20 November, 2014
MATH 1004, Section C/D
Total marks: 24

TEST 5

1. Solve the integral [5 marks]

$$\int \frac{2x}{(x-1)(x-3)} dx$$

2. Solve the integral [8 marks]

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

3. Solve the integral [7 marks]

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

4. Solve the integral [4 marks]

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