

17 Nov, 2016
MATH 1004, Section D
Total marks: 34

TEST 4

1. Solve the integral [4 marks]

$$\int (x - 1)^2 \sin x \, dx$$

2. Solve the integral [4 marks]

$$\int (x^2 - 2x + 1)e^x \, dx$$

3. Solve the integral [5 marks]

$$\int x^4 \ln x \, dx$$

4. Solve the integral [11 marks]

$$\int x \sin^{-1}\left(\frac{1}{x}\right) dx$$

5. Solve the integral [10 marks]

$$\int \cos(\ln x) dx$$