**% Name (first and last)**

**% CSC 2262**

**% cs2262xx**

**% Sample 8a**

**a = 1;**

**b = 6;**

**accuracy = 1e-7;**

**f = @(x) (x.^3+5).\*sqrt(x.^4+2\*x).\*exp(4\*x./(x.^2+1))./ ...**

**((x.^2+3\*x+7).\*sin(pi/8\*x));**

**I = quad(f,a,b,accuracy);**

**fprintf('I = %.5f\n',I);**