

```
% 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);
```