**% Name (first and last)**

**% CSC 2262**

**% cs2262xx**

**% Sample 8b**

**a = 1;**

**b = 3;**

**g = @(x) x.\*(x-1).^3./(x.^2-2\*x+5);**

**h = @(x) (x+7)./(1+1/3\*x.\*sin(pi/4\*(x-1)));**

**f = @(x,y) (x.\*y+2\*x+y.^2).\*exp(y) ./ sqrt(3\*x.^5+2\*y.^4+7);**

**mass = quad2d(f,a,b,g,h,'RelTol',1e-7,'AbsTol',1e-7);**

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