Ryan St. Pierre HW #2 Problem 1D

I used Matlab to visualize the workspace for 1C. The code and corresponding figures are given below:

```
[q1, q2] = meshgrid(1:0.3:360);
c1 = arrayfun(@(x) cosd(x),q1);
s1 = arrayfun(@(x) sind(x),q1);
c2 = arrayfun(@(x) cosd(x),q2);
s2 = arrayfun(@(x) sind(x),q2);

L1 = 2;
L2 = 1;

X = c1.*(L2 .* c2 + L1) - s1.*s2.*L2;
Y = s1.*(L2 .* c2 + L1) + c1.*s2.*L2;
Z = q1 + q2;

mesh(X,Y,Z)
xlabel('x')
ylabel('y')
zlabel('\theta')
title('Workspace surface')
```



