function [Y] = fint(t, X)

%UNTITLED Summary of this function goes here

% Detailed explanation goes here

Y=zeros(2, 1);

Y(1)=-9\*X(1)/sqrt(X(1)^2+X(2)^2) -3;

Y(2)= -9\*X(2)/sqrt(X(1)^2+X(2)^2);

end

tspan=linspace(0, 1, 11);

Y0=[5, 3];

[t, Z]=ode45('fint', tspan, Y0);

U=zeros(10,2);

for i=1:11

U(i,1)=3.\*t(i) +Z(i,1);

U(i,2)=Z(i,2);

end

plot(U(:,1),U(:,2));

