```matlab
function dxdt=harvest(t,x)

dxdt=zeros(1,1);

r=1;

k=10;

h=9/10;

dxdt(1)=r*x(1)*(1-x(1)/k)-h;

end
```

```matlab
%Population Growth with Harvesting

%Analytical Solution

syms r x(t) h k

f=diff(x,t,1)==r*x*(1-x/k)-h

f2=x(0)==2

dsolve(f,f2)

%Numerical Solution

[t x]=ode45(@harvest,[0 10],2);

plot(t,x);xlabel('Time');ylabel('Population');title('Population Growth with Harvesting')
```

f(t) = diff(x(t), t) == - h - r*x(t)*(x(t)/k - 1)

f2 = x(0) == 2

ans = (2*tan((atan((2*r - (k*r)/2)/(h*k*r - (k^2*r^2)/4)^(1/2)))/(h*k*r - (k^2*r^2)/4)^(1/2) - t/k)*(h*k*r - (k^2*r^2)/4)^(1/2))*(h*k*r - (k^2*r^2)/4)^(1/2) + k*r)/(2*r)