P3 State Equations

```
function [dx] = P3stateEqn(t, x, mu)
%P3stateEqn contains state eqn for MAE5803 HW1 P3
%
dx = zeros(2,1);
dx(1) = x(2);
dx(2) = -x(1) + (mu-x(1)^2)*x(2);
```

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