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Homework Problem 2 Part A

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```
clc;
clear;
format bank;
```

Variables

```
p=110000;
r=4.25/100;
y=[15 30];
```

Calculations

```
M=p*(r/12)./(1-(1+r/12).^(-12.*y)); % Monthly payment initial
M_1 = p*(1+r/12).^(12*y); % Second set of monthly payments
M_2 = M_1-p; % Third set of monthly payments
```

Output Statements

```
for n = 1
    fprintf('This is monthly payment with a %d year loan: $%f | $%f |
 $%f\n', y(n), M(n), M_1(n), M_2(n))
end
for n=2
    fprintf('This is monthly payment with a %d year loan: $%f | $%f |
 $%f\n', y(n), M(n), M_1(n), M_2(n))
end
```

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