```matlab
% Task Set C
clc;
close all;
grid on;

t = 0:0.1:24;
M = 35;
T0 = 65;
Mt = M - 12 * cos((pi * (t - 5)) / 12);
t0 = Mt - T0;
k = 0.25;
T = Mt - t0 .* exp(-k * t);

plot(t, T, 'b');
hold on;
plot(t, Mt, 'ro');
xlabel('t');
ylabel('Temperature');
legend('Temperature T(t)', 'Mt');

disp('Min Mt:');
disp(min(Mt));
disp('Max Mt:');
disp(max(Mt));
disp('Min T:');
disp(min(T));
disp('Max T:');
disp(max(T));
```