

ENGR 240
HW# 7

1. T_m bismuth \approx 272 °C
2. Sb solubility limit in Bi at 500 °C \approx 44 wt% Sb
3. a) First solid at $T \approx$ 577.5 °C, composition \approx 94 wt% Sb
b) At $T \approx$ 529 °C, 50% solid (at \approx 87.5 wt% Sb) and 50% liquid (at \approx 52.5 wt% Sb)
c) At $T \approx$ 450 °C, 90% solid (at \approx 74 wt% Sb) and 10 % liquid (at \approx 31 wt% Sb)
d) Last liquid at $T \approx$ 429 °C
e)

