1.

High level language : a1 = (a1 - a2) \* a4 + a5

Assembly language:

SUB a1, a2, a3 (a1 = a2 - a3) *(3-address instruction)*

MUL a1, a4 (a1 = a1 \* a4) *(2-address instruction)*

ADD a1, a5 (a1 = a1 + a5) *(2-address instruction)*

2.

Equation is the following EPS =

8 + 8 + 10 + 5 + 8 + 8 = 47msec

= 0.047sec

47\*10-3‑ seconds