HW2.

1.

1) P1= CPU 时间= 財神岡期数/頻率.

⇒
$$10 = x/3$$
, $109 \Rightarrow x = 3$, 10^{10} 午时钟 岡剛
又 CPU 时间= 計合金数 × CPI × 周期时间
⇒) $10 = y \cdot 1.5 \cdot /_3$, $109 \Rightarrow y = 2 \cdot 10^{10}$ 午指令

P2= $x = 10 \cdot 2.5 \cdot 10^9 = 2.5 \cdot 10^{10}$ 午 $y = 10 \cdot 2.5 \cdot 10^9 / 1.0 = 2.5 \cdot 10^{10}$ 午 $y = 10 \cdot 2.5 \cdot 10^9 / 1.0 = 2.5 \cdot 10^{10}$ 午 $y = 10 \cdot 4 \cdot 10^9 / 2.2 = 1.82 \cdot 10^{10}$ 午 $y = 10 \cdot 4 \cdot 10^9 / 2.2 = 1.82 \cdot 10^{10}$ 午 $y = 10 \cdot 4 \cdot 10^9 / 2.2 = 1.82 \cdot 10^{10}$ 午 $y = 10 \cdot 4 \cdot 10^9 / 2.2 = 1.82 \cdot 10^{10}$ 午 $y = 10 \cdot 4 \cdot 10^9 / 2.2 = 1.82 \cdot 10^{10}$ 午 $y = 10 \cdot 4 \cdot 10^9 / 2.2 = 1.82 \cdot 10^{10}$ 午 $y = 10 \cdot 4 \cdot 10^9 / 2.2 = 1.82 \cdot 10^{10}$ 午 $y = 10 \cdot 4 \cdot 10^9 / 2.2 = 1.82 \cdot 10^{10}$ 年 $y = 10 \cdot 4 \cdot 10^9 / 2.2 = 1.82 \cdot 10^{10}$ 年 $y = 10 \cdot 2.5 \cdot 10^9 / 2.2 = 1.82 \cdot 10^{10}$ 年 $y = 10 \cdot 2.5 \cdot 10^9 / 2.12 + 2$

2
$$\frac{1}{12}$$
 = $\frac{(2.56 \times 1 + 1.28 \times 12)}{1.4 + 2.56 \times 5}$ $\frac{1}{10}$ = $\frac{7.045}{2}$ = $\frac{9.6}{7.04}$ = $\frac{1.36}{1.36}$ $\frac{1}{4}$ $\frac{1}{4}$ = $\frac{2}{1.28 \times 12}$ $\frac{1}{2.8}$ $\frac{1}{2.24}$ = $\frac{1}{$