Ahmed Sagit 66/925946

A: 36 cycles / 10 instructions = 3.6 CPI

~~A: $\frac{1 \times 10^9}{100}$ = $\frac{10^9}{10^2}$ = $10^9 / 10^6$ = 10^3 MIPS~~

B: $\frac{10^9}{100}$ = 1000 ÷ 3.6 = **277.78 MIPS**

C: $\frac{10^9}{100}$ = **1000 MIPS**

D: $\frac{4 \times 10^6 \text{ Instructions}}{277.8 \times 10^6 \text{ Instructions/second}} \times \frac{\text{Seconds}}{277.8 \times 10^6}$

= **0.0144 s**

E: 27 bytes / 10 instructions = 2.7 bytes/instruction.