1. 1) $T_{pipe} = 2 + 0.1\ ns = 2.1\ ns$

2) $S = \frac{T_{pipe}}{T_{cycle}} \times \frac{CPI_{pipe}}{CPI_{cycle}} \approx \frac{2.1}{7} \times 1 = 0.3$

~~3)~~ $\therefore \frac{1}{S} = \frac{10}{3}$

3) $T_{pipe} \rightarrow 0.1\ ns$

$\therefore S \rightarrow \frac{0.1}{7} = \frac{1}{70}$

$\therefore \frac{1}{S} \rightarrow 70$