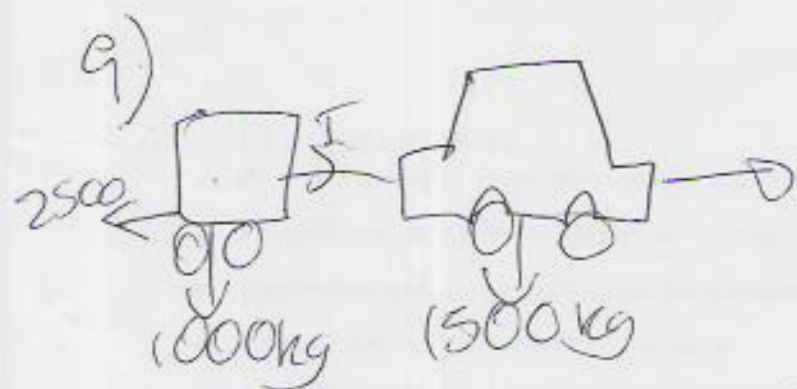


$$7) P = \frac{F}{A} = \frac{0.125 \times 9.8}{\pi \times (10^{-3})^2} \approx 4 \times 10^5$$

C



$F = ma$  for trailer

$$T - 2500 = 1000 \times 4$$

$$T = 6500$$

A

10) a)  $t = \frac{d}{s} = \frac{300}{170} = 1.765 \text{ hr}$

= 1 hr 46 mins

9 + 1 hr 46 mins = 10 hrs 46 mins

b)

