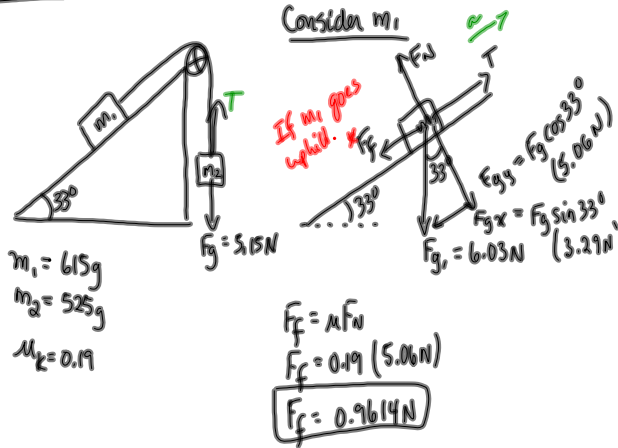
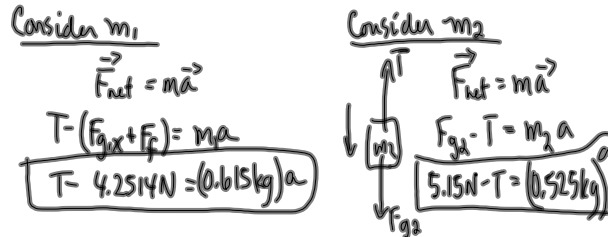


MP/486



Check to see that $F_f + F_{gx} < F_{g2}$

Since $F_f = 0.9614 \text{ N}$
 $+ F_{gx} = 3.29 \text{ N}$
 $\underline{4.2514 \text{ N}}$ $< 5.15 \text{ N} (F_{g2})$ (the largest tension of m_1 goes uphill)



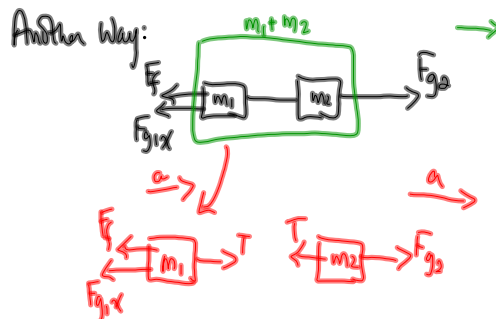
$$T - 4.2514 \text{ N} = (0.615 \text{ kg})a$$

$$-T + 5.15 \text{ N} = (0.525 \text{ kg})a$$

$$0.8986 \text{ N} = (1.14 \text{ kg})a$$

$$a = 0.79 \text{ m/s}^2$$

now find T ?



To DO

PP/488-489 (26 \rightarrow stretch it out)