

WEEK 5

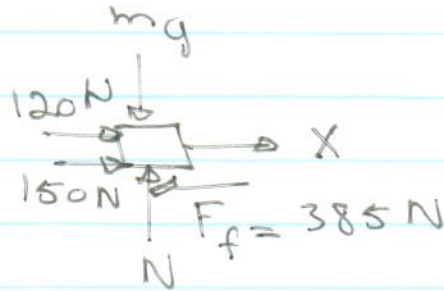
①

2B

$$(1) \rightarrow \sum F = 0$$

$$\therefore 120 + 150 - 385 + X = 0$$

$$\therefore X = 115 \text{ N} \rightarrow$$

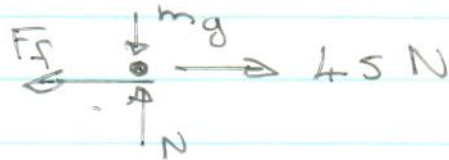
(7) v is constant

$$\Rightarrow a = 0$$

$$\therefore \rightarrow \sum F = 0$$

$$\therefore -F_f + 45 = 0$$

$$\therefore F_f = 45 \text{ N} \leftarrow$$



$$\rightarrow \sum F = ma$$

$$-45 + 55 = 5 \cdot a$$

$$\therefore a = 2 \text{ m s}^{-2} \rightarrow$$

