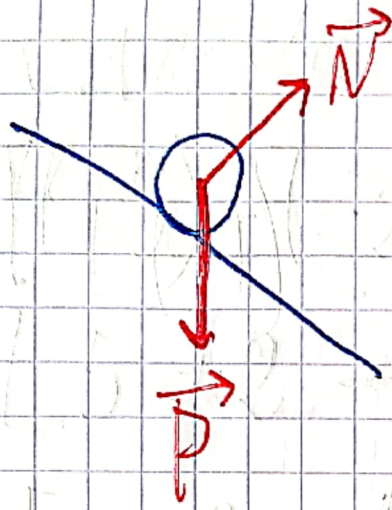
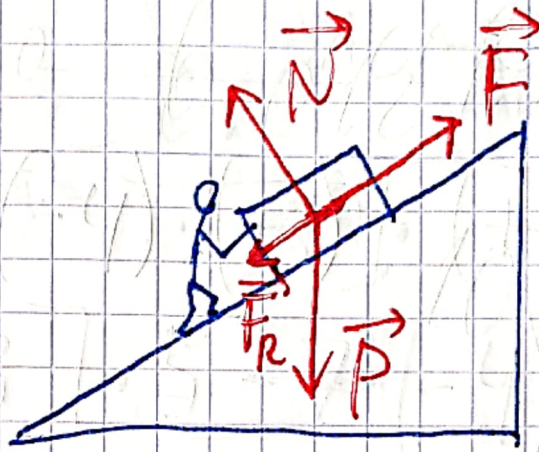


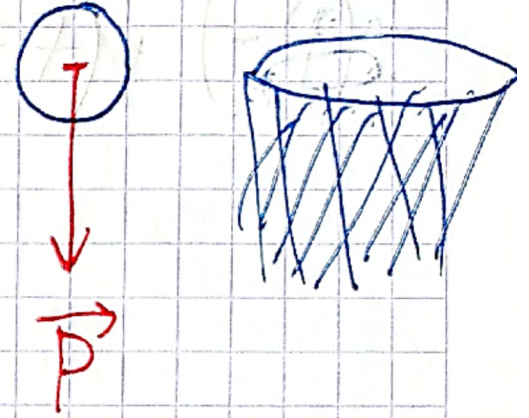
g)



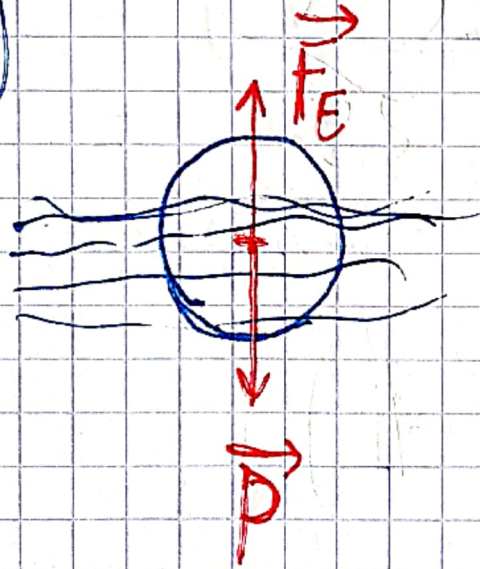
h)



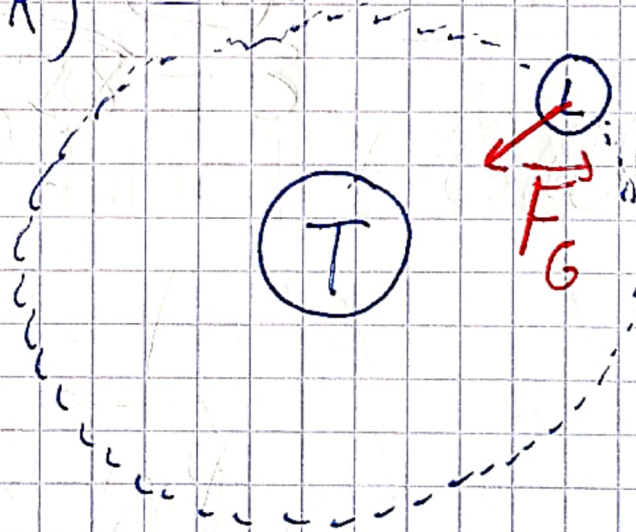
i)



j)



k)



a) $m = 120 \text{ kg}$ $S = 0.25 \text{ m}^2$

$$p = \frac{|\vec{F}|}{|S|} = \frac{120 \cdot 9.8}{0.25} = 4704 \text{ Pa}$$

b) 6000 kg $\frac{4 \cdot 0.64 \text{ m}^2}{2.56 \text{ m}^2}$

$$p = \frac{6000 \cdot 9.8}{2.56} = 22\,968.75 \text{ Pa}$$

100 kg $\frac{4 \cdot 0.000\,05 \text{ m}^2}{2 \cdot 10^{-4}}$

$$p = \frac{100 \cdot 9.8}{2 \cdot 10^{-4}} = 4\,900\,000 \text{ Pa}$$

c) 20 kg 0.1 m^2

$$p = \frac{20 \cdot 9.8}{0.1} = 1960 \text{ Pa}$$

i) 900 N 0.25 m^2

$$p = \frac{900}{0.25} = 3600 \text{ Pa}$$