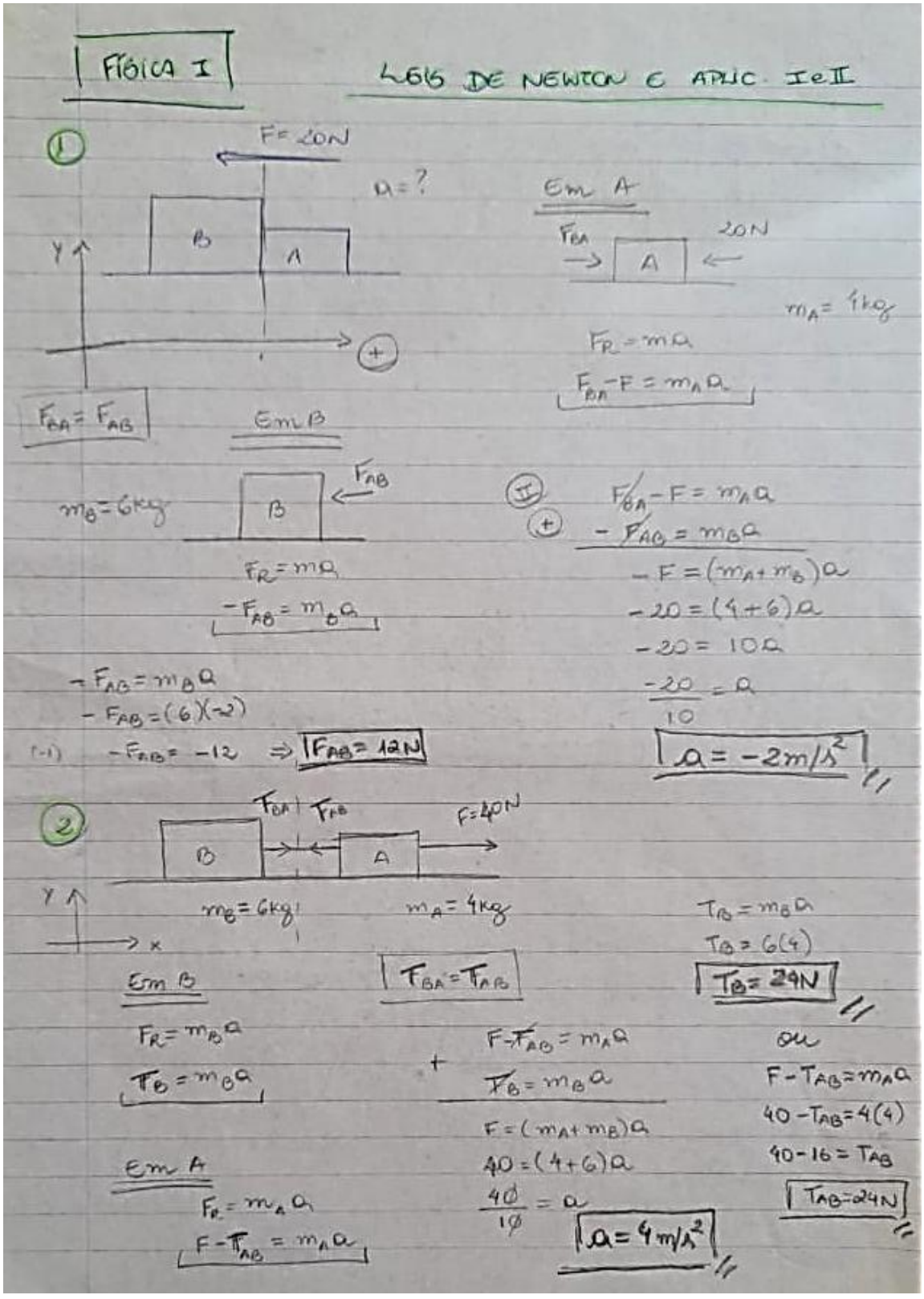
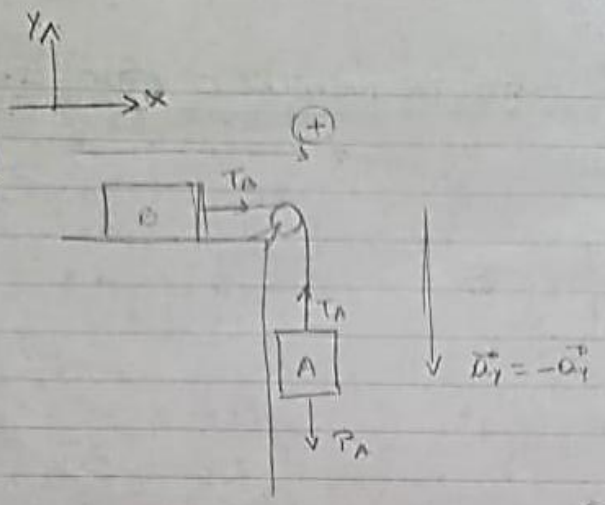
RESOLUÇÃO (EXEMPLOS)



(3)



Em B

$F_{R_x} = m_B a_x$ | $F_{R_y} = m_B a_y$ | $\vec{N}$ tem! F_{Rz}

$T_B = m_B a$ | $F_{Ry} = 0$

Em A

$F_{R_y} = m_A a_y$ → vinculados $a_B a_y$!

$+T_A - P_A = -m_A a_y$

$T_A = T_B$

$F_{R_x} = m_B a_x$ | $\vec{N}$ tem em F_z!

$F_{R_x} = 0$.

$T_B = m_B a$

$+T_A - P_A = -m_A a$

$P_A = (m_B + m_A) a$

$m_A g = (m_B + m_A) a$

$4(9,8) = (6+4) a$

$39,2 = 10a$

$\frac{39,2}{10} = a$

$a = 3,92 \ m/s^2$ //

$T = ?$

$T_A = T_B$ → escolha 1 equação.

$T_B = m_B a$ | OU | $T_A - P_A = -m_A a$

$T_B = 6(3,92)$

$T_A = P_A - m_A a$

$T_A = (m_A g) - m_A a$

$T_A = (4 \times 9,8) - (4 \times 3,92)$

$T_B = 23,52N$ //

$T_A = 23,52N$ //