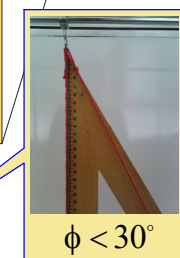
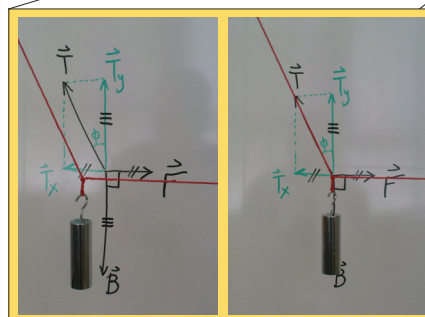
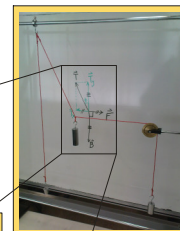
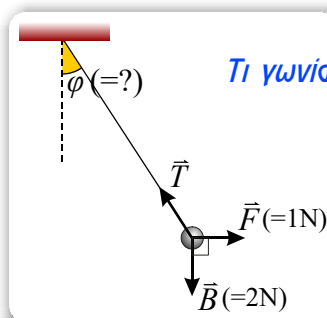
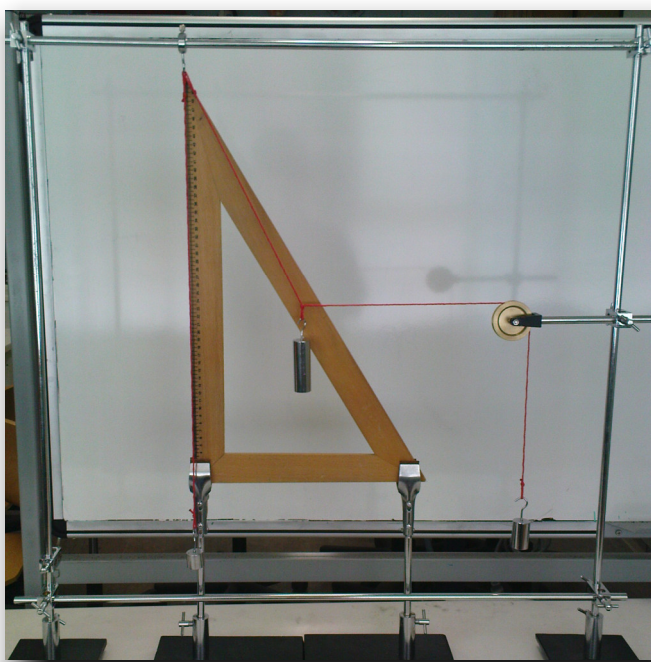
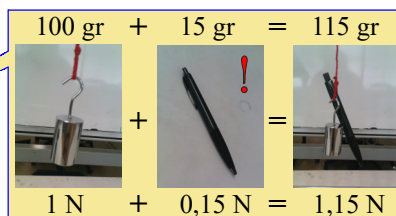
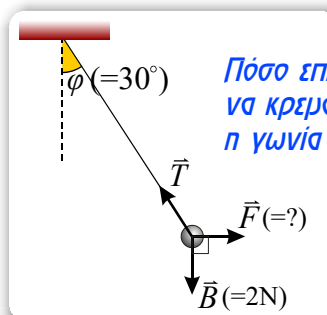
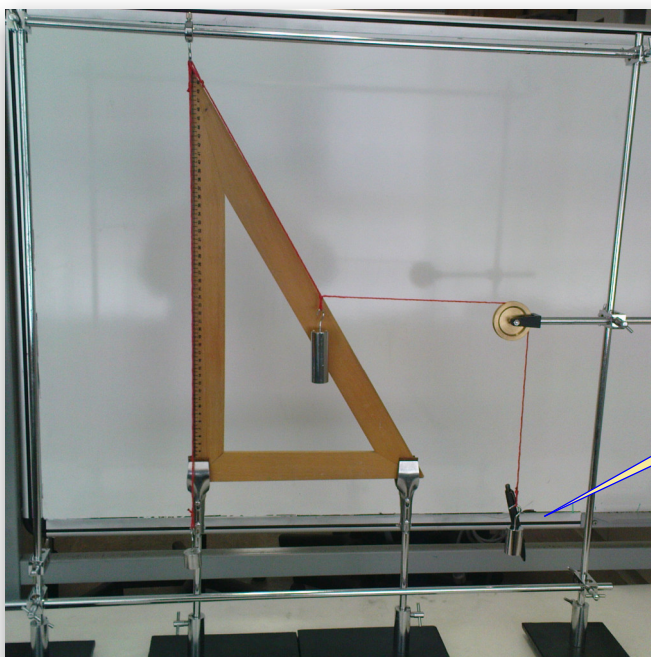


ΣΤΑΤΙΚΗ ΙΣΟΡΡΟΠΙΑ & ΑΓΝΩΣΤΗ ΜΑΖΑ



$$\Sigma F = 0 \Rightarrow \left\{ \begin{array}{l} \Sigma F_x = 0 \\ \Sigma F_y = 0 \end{array} \right\} \left\{ \begin{array}{l} F = T_x \\ B = T_y \end{array} \right\} \left\{ \begin{array}{l} F = T \cdot \eta\mu\phi \\ B = T \cdot \sigma\upsilon\nu\phi \end{array} \right\} \div \Rightarrow \frac{F}{B} = \epsilon\phi\phi \Rightarrow \epsilon\phi\phi = \frac{1}{2} \Rightarrow \phi = 26,56^\circ$$



$$\Sigma F = 0 \Rightarrow \left\{ \begin{array}{l} \Sigma F_x = 0 \\ \Sigma F_y = 0 \end{array} \right\} \left\{ \begin{array}{l} F = T_x \\ B = T_y \end{array} \right\} \left\{ \begin{array}{l} F = T \cdot \eta\mu\phi \\ B = T \cdot \sigma\upsilon\nu\phi \end{array} \right\} \div \Rightarrow \frac{F}{B} = \epsilon\phi\phi \Rightarrow F = B \cdot \epsilon\phi\phi \Rightarrow F = 2 \cdot \epsilon\phi 30^\circ \Rightarrow F = 1,15 \text{ N}$$