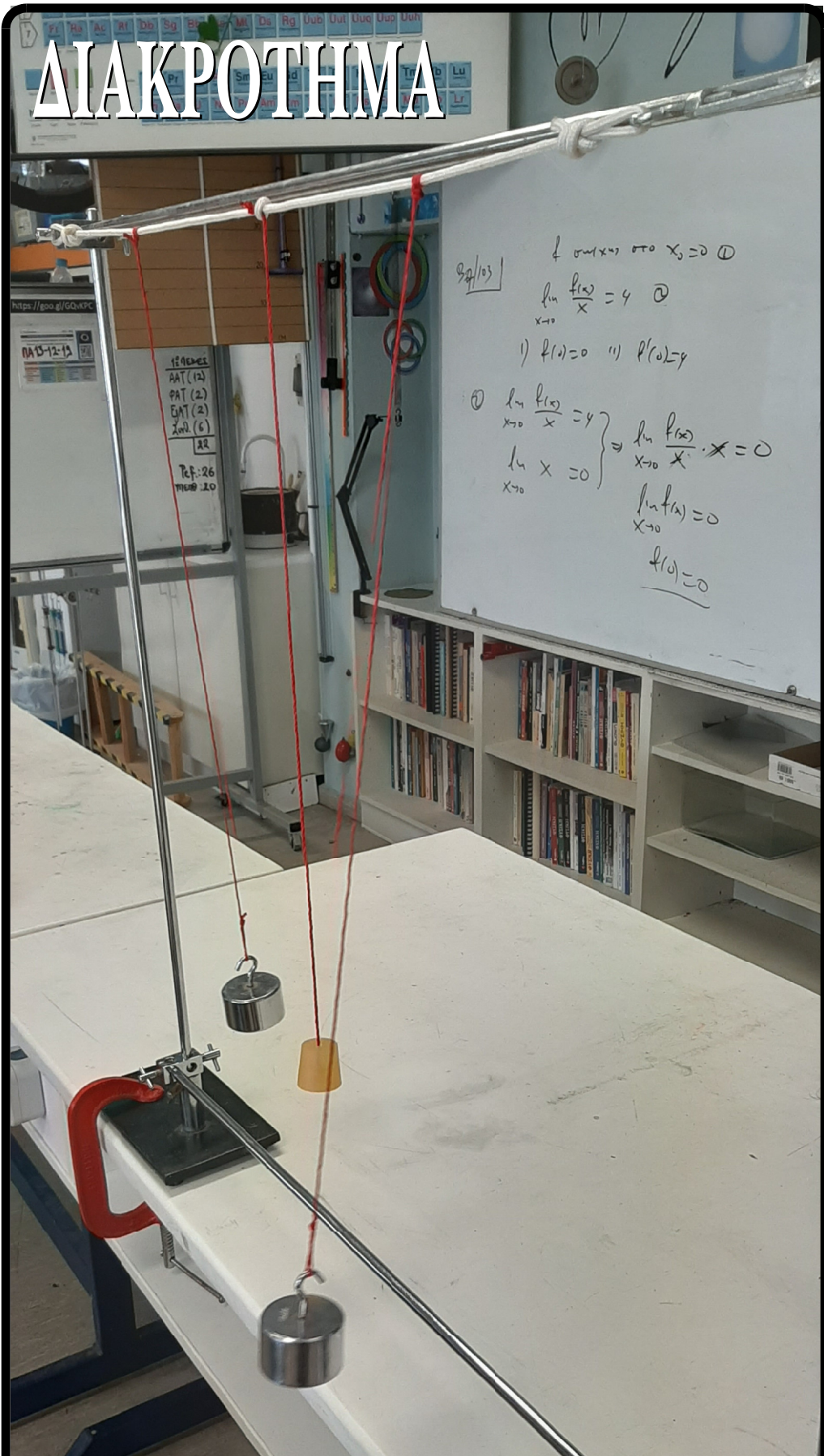


# ΔΙΑΚΡΟΤΗΜΑ



8/7/03

$f \text{ over } x \rightarrow 0 \text{ or } x_0 \rightarrow 0$

$\lim_{x \rightarrow 0} \frac{f(x)}{x} = y$

1)  $f(x) = 0$  1)  $f'(x) = y$

2)  $\lim_{x \rightarrow 0} \frac{f(x)}{x} = y$   
 $\lim_{x \rightarrow 0} x = 0$

$\lim_{x \rightarrow 0} \frac{f(x)}{x} \cdot x = 0$

$\lim_{x \rightarrow 0} f(x) = 0$

$f'(x) = 0$

