Problem 1°

$q_5 = \pi/3$ rad @ $t_5 = 10$, $q_6 = \pi$ rad @ $t_6 = 15$ s

1) $q(\lambda) = \frac{\pi}{3} + \frac{2\pi}{3}(\lambda)$

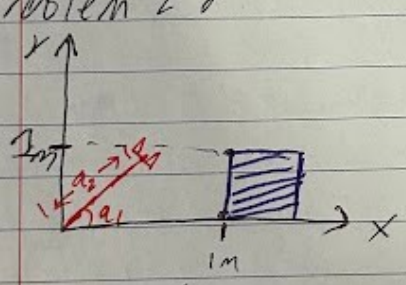
2) $q(t) = \frac{\pi}{3} + \frac{2\pi}{3}\left(\frac{t - 10}{5}\right)$

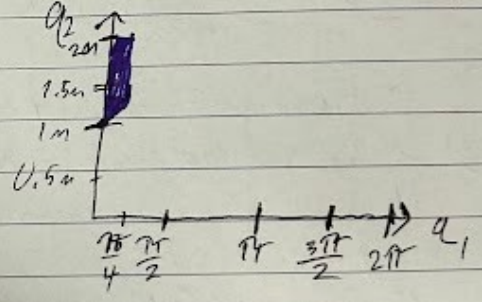
3) $q(10) = \pi/3$ ~~$q(11) = 1.26$ $q(12) = 1.47$~~

$q(11) = 1.47$ $q(12) = 1.88$ $q(13) = 2.30$

$q(14) = 2.72$ $q(15) = \pi$

Problem 2°





Problem 3°