

Q1. (Non-assessed) The figure below shows a snapshot at time t_0 of a wave traveling in the positive x direction along a string under tension.

(a) Copy this graph, and on the same graph overlay a snapshot of the wave at $t_0 + T/8$, where T is the period.

(b) Determine at time t_0 , for each of the four highlighted points, whether the point is moving up or down.

