

Print view of 'ScatteringPretest'[Print this page](#)

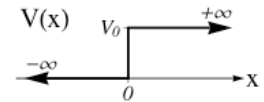
Please type your name in the form: Last, First:

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For the two questions below, consider the graph of the potential energy for a one-dimensional system as shown at the right. $V(x) = 0$ for $x < 0$ and $V(x) = V_0$ for $x > 0$.



Q1: Describe in words the boundary conditions for this system for a situation which describes particles which approach from the right.

Q2: Consider the transmission coefficient, (T) for this system (i.e., the probability that a particle entering from $+\infty$ will travel into region $x < 0$). Using physical arguments, but without carrying out calculations, what can you say qualitatively about T ?

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