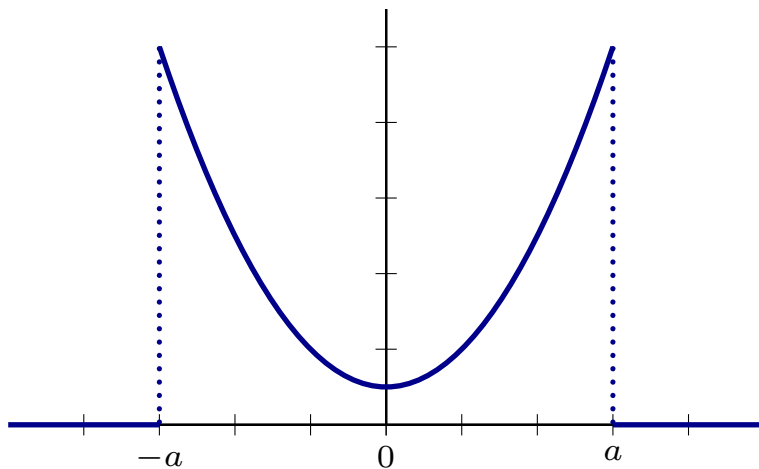


Question 1

A single particle is restricted to the x axis. At *one instant* the wavefunction is as illustrated.



Consider the statement:

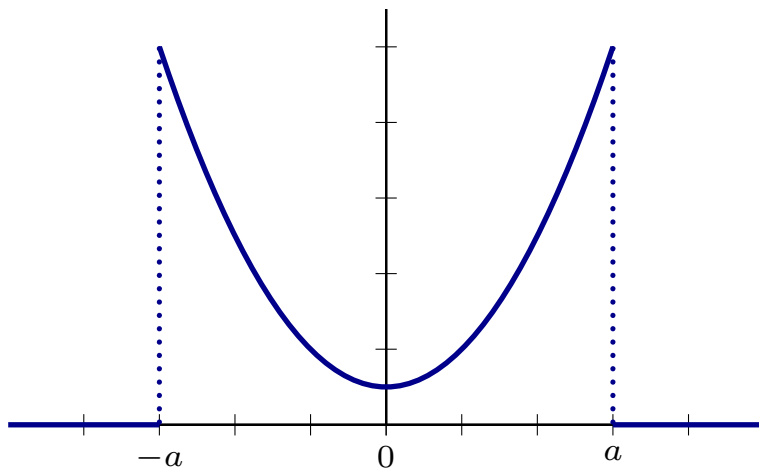
“The shape of the wavefunction means that when the particle’s position is measured the result will be multiple values throughout the range from $-a$ to a .”

Is this statement:

1. True
2. False
3. Maybe

Question 2

A single particle is restricted to the x axis. At *one instant* the wavefunction is as illustrated.



Consider the statement:

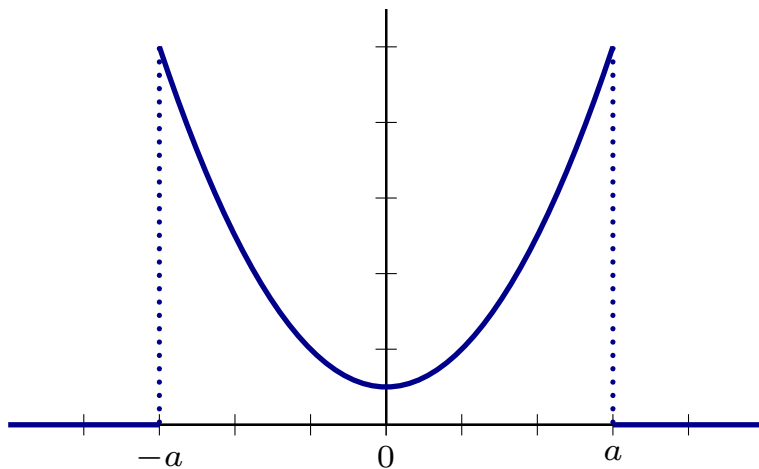
“The particle follows a curved path in space between $-a$ to a .”

Is this statement:

1. True
2. False
3. Maybe

Question 3

A single particle is restricted to the x axis. At *one instant* the wavefunction is as illustrated.



Consider the statement:

“The particle sloshes back and forth between $-a$ and a as time passes.”

Is this statement:

1. True
2. False
3. Maybe