Mat1375, Classwork1, Fall 2024

ID:______ Name:_____

1.Complete the table

Inequality notation	Number line	Interval notation
$-2 \le x < 3$	-2 3	[-2,3)
2 < X < 5	- Octobration (4) >	[2,5]
2.54X < 100	2.5	(≥.5, ∞)

2. Check if $y = x^2 + 2x + 3$ is a function. Justify your answer.

Method 1

Since each input x has only on

output y, two $y = x^2 + 2x + 3$ is a function of x.

Since each vertical line has

only one intersetion point (a)

with the graph, then

 $y = x^2 + 2x + 3$ is a function of x

