

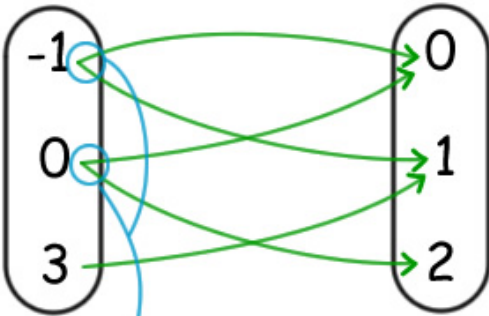


Questions?  
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Ask Question

Is  $\{(-1,2); (0,2); (3,1); (-1,1);(0,0)\}$  a function?  
Show why.

Question



Answer

Not single valued

Not a function

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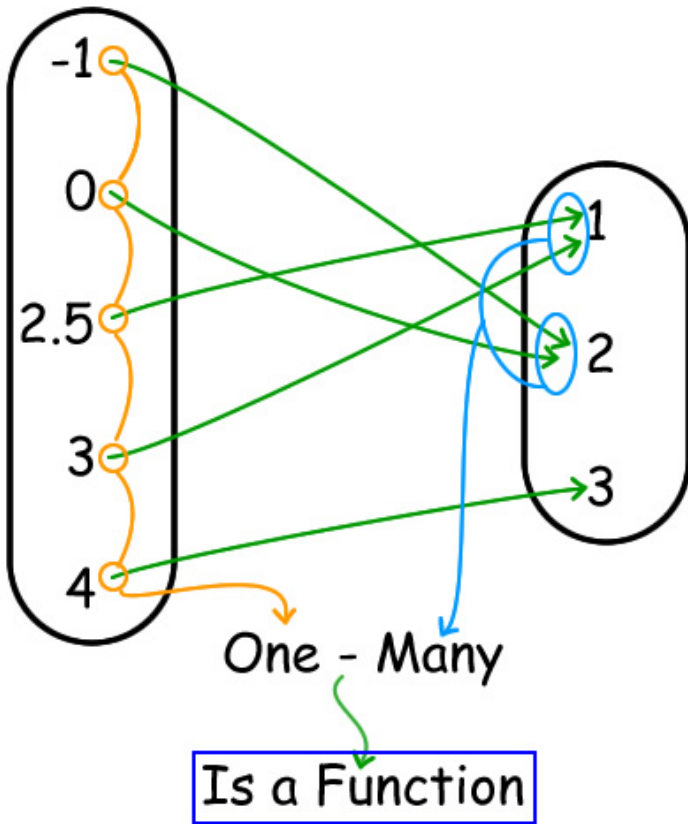
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## Problem 2 of 6

Is  $\{(-1,2); (0,2); (3,1); (4,3); (2.5,1)\}$  a function?  
Show why.

Question

Answer



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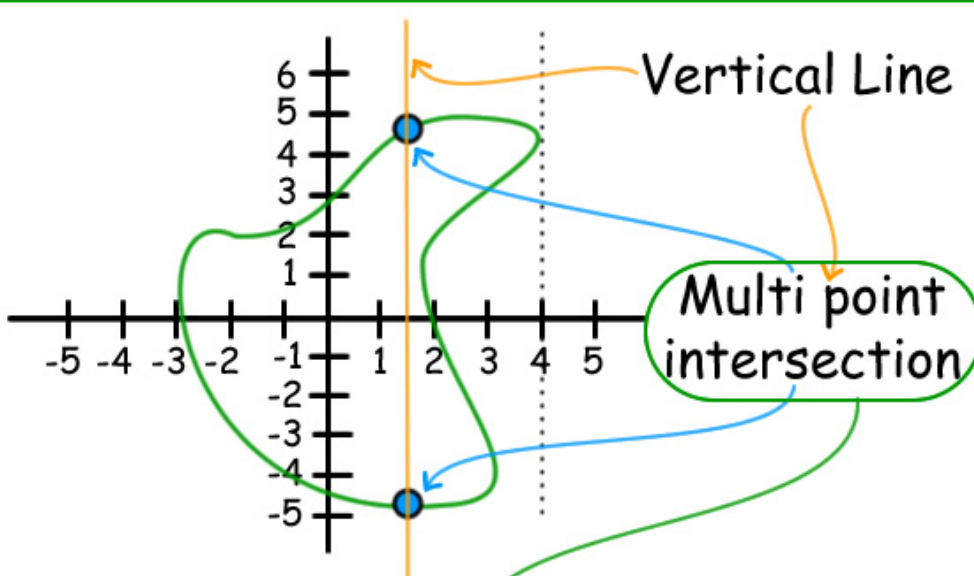


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Is the shown graph the graph of a function?  
Show why.

Question



Answer

Fails Vertical Line Test

Not a Function

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## Problem 4 of 6

A plumber charges \$40 per work, plus \$35 per hour. Graph the relation for 1 to 5 hours. Is this relation a function?

Question

Number of Hours =  $x$

Total Charge =  $y$

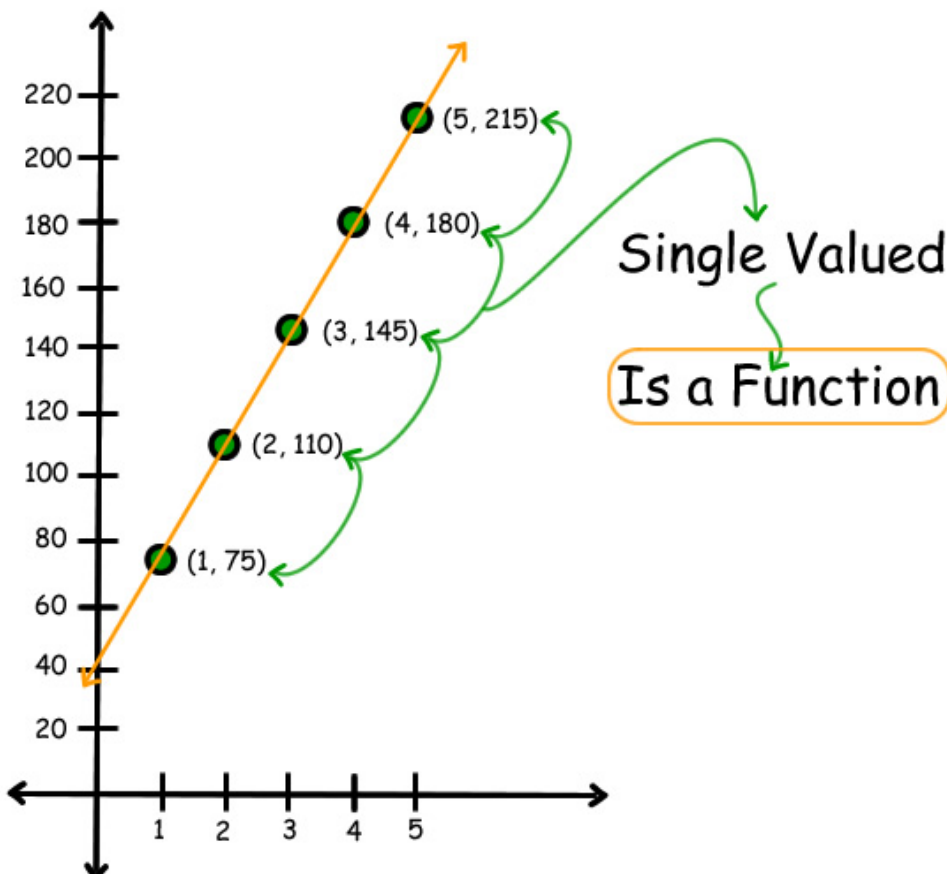
Answer

$$y = 40 + 35x$$

$x$	1	2	3	4	5
$y$	75	110	145	180	215

Single Valued

Relation is a Function



Is a Function

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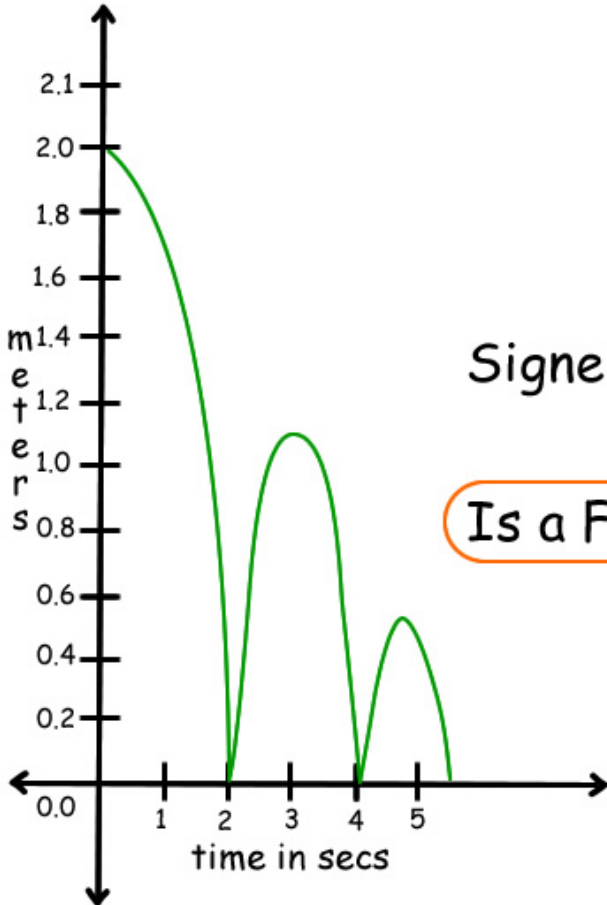
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Ask Question

A ball falls from 2 meters and bounces. Sketch a graph showing the height of the ball over time. Is the relationship a function? If not, show why.

Question

Answer



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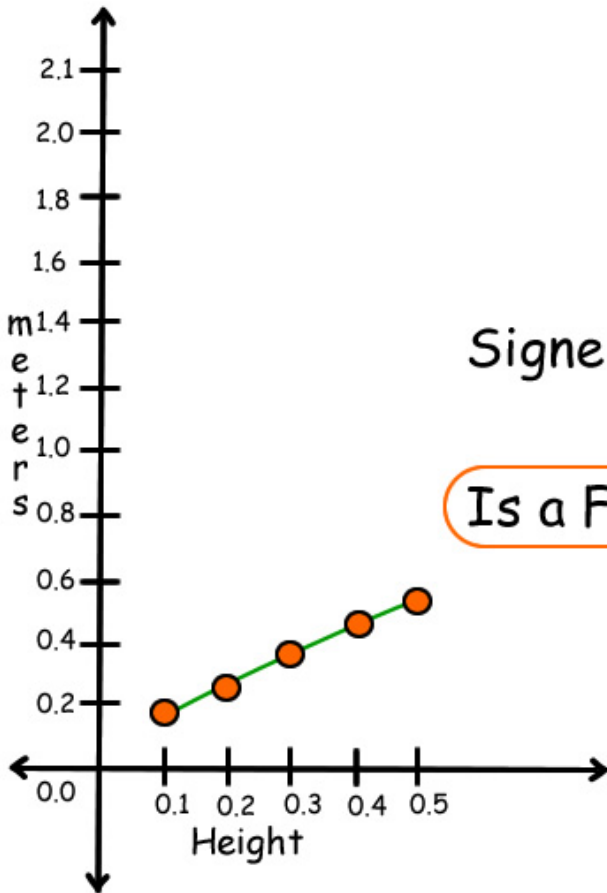
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Ask Question

## Problem 6 of 6

A ball falls from 2 meters and bounces. Sketch a graph showing the time it takes the ball to get to a certain height vs the height. Is the relationship a function? If not, show why.

Question



Answer

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