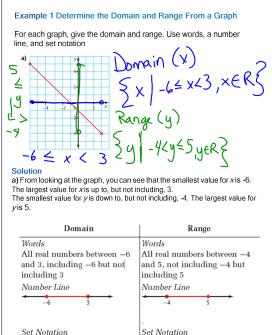


Nov 10-7:34 AM

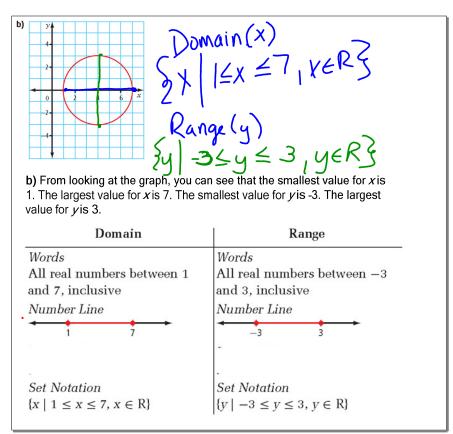
t is a useful	way to	give the domain and range for discrete da	ita when
e are not ma	any nun	nbers in the set. For the relation (0, 0), (1,	5), (3, 7),
, the domai	in is {0,	1, 3, 5} and the range is {0, 5, 7}.	
otation is a f	formal m	nathematical way to give the values of the dom	ain and range.
Set Nota		athematical way to give the values of the dom What It Means	ain and range.
Set Nota The domain	ation n: , x ∈ R}	, ,	ain and range.



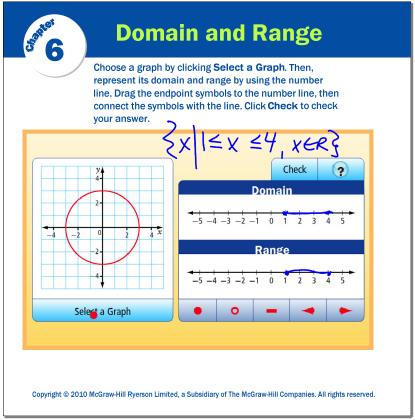
Set Notation $\{x \mid -6 \le x < 3, x \in \mathbb{R}\}$ Set Notation $\{y \mid -4 < y \le 5, y \in \mathbb{R}\}$ In this class, you will be expected to read the formal set notation and to at least write set notation informally $-4 < y \le 5$

Nov 10-7:40 AM

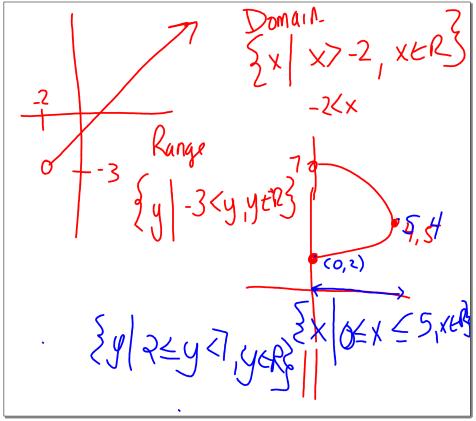
 $-6 \le x \le 3$



Nov 10-7:41 AM



Jun 4-11:59 AM



Oct 15-9:50 AM

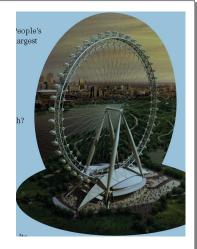
Example 2 Domain and Range for a Situation

The Great Wheel is being built in Beijing in the People's Republic of China. When finished, it will be the largest Ferris wheel in the world. The wheel will have a diameter of 193 m and will reach a maximum height of 208 m.

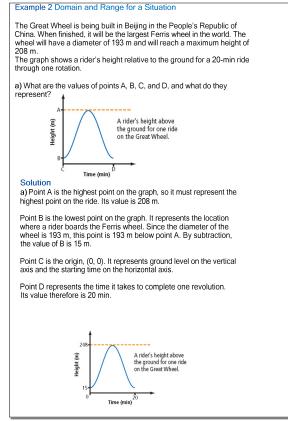
The graph shows a rider's height relative to the ground for a 20-min ride through one rotation.

a) What are the values of points A, B, C, and D, and what do they represent?

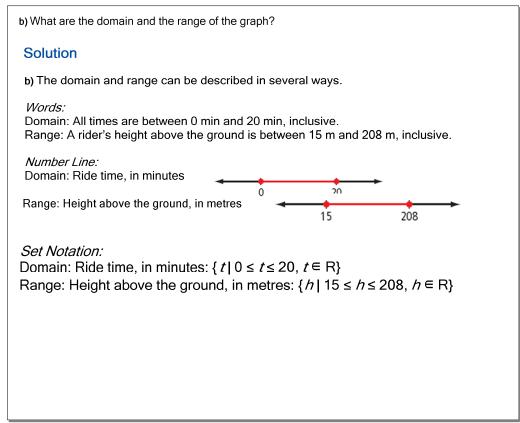
b) What are the domain and the range of the graph?



Nov 10-7:42 AM

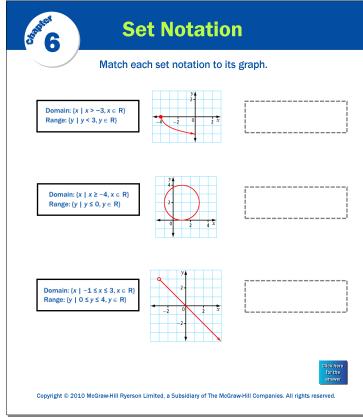


Nov 10-7:45 AM



Nov 10-7:46 AM

umber of Beats	Number of Claps	Ordered Pairs (Beats, Claps)
1	1	{(1, 1), (5, 2), (9, 3), (13, 4),
5	2	(17, 5), (21, 6), (25, 7), (29, 8)]
9	З	
13	4	
17	5	
21	6	
25	7	
29	8	
7, 21, 25, and	1 29.	eats is given by the numbers 1, 5, 9, 13, ops is given by the whole numbers



Jun 4-11:59 AM

