# Relations and Functions LESSON TWO - Domain and Range Lesson Notes 

## Introduction

a) Write the domain and range of this graph in sentence form.

c) Write the domain and range of this graph in set notation.


b) Write the domain and range of this graph as number lines.


d) Write the domain and range of this graph as a discrete list.

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e) Write the domain and range of this graph using interval notation.


## Example 1

Write the domain of each number line.
a)

b)

c)

d)

e)



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Example 2 domain and range of discrete graphs.
a)


b)



Example 3 domain and range of continuous graphs.
a)


b)



Example 4 domain and range of graphs with endpoints
a)


b)



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## Example 5

domain and range of parabolas and enclosed shapes
a)


b)



## Example 6

A Ferris wheel has a radius of 12 m and makes one complete revolution every two minutes. Riders board the wheel at a height of one metre above the ground. A ride lasts for three revolutions of the wheel. The graph of the motion is shown below. State the domain and range, in as many ways as possible.



## Set Notation

Discrete List

Interval Notation

