



# DOMAIN AND RANGE

*from a graph*

## PEEL & STICK ACTIVITY

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# DOMAIN AND RANGE

## Peel & Stick Activity

**Objective:** To practice identifying the domain and range given a graph. This includes discrete and continuous graphs. There are 10 graphs total.

**Directions:**

- 1) Print the graphs. I generally print them double-sided on colored paper.
  - 2) Print the Labels. Cut the label sheets in quarters. For example, if you have 24 students, you only need to print 6 sheets.
- \*I use white Avery 8167 Return Labels in white.**
- 3) Give each student the graphs and labels. They identify the domain and range for each graph and stick them on their paper. An answer key is provided to check the answers.

**Suggestions if you do not wish to use labels:**

- Have students cut and paste the domain and range restrictions onto their graphs sheet.
- Place the graphs into a sheet protector, give students a dry erase marker, and have them fill in the domain and range for each. You can still print the labels on plain paper and have them cross them off as they use them.

The image shows a collage of materials for the activity. On the left, there are two sheets of graph paper. The top sheet is titled "DOMAIN AND RANGE Peel & Stick Activity!" and has fields for "Name: \_\_\_\_\_" and "Date: \_\_\_\_\_ Per: \_\_\_\_\_". It contains four graphs labeled 1, 2, 3, and 4. Each graph has a "Domain:" and "Range:" label with a blank box for the answer. Graph 1 is a discrete set of points. Graph 2 is a discrete set of points. Graph 3 is a continuous line. Graph 4 is a continuous curve. On the right, there are more graph sheets, including one with a parabola (graph 6) and one with a circle (graph 8). Below these is an answer key table.

{-6, -2, -1, 0, 3}	$y \geq -3$
$x \geq -2$	$-2 \leq x \leq 4$
$-3 \leq y \leq 5$	$-1 < x \leq 6$
$-4 \leq x \leq 4$	All Real Numbers
{-6, -4, 0, 1, 5}	$-4 \leq y \leq 4$
$-2 \leq x \leq 5$	{-6, -2, -1, 2, 3, 7}
All Real Numbers	$x \geq -5$
$y \leq 0$	$-5 \leq y \leq 6$
$0 \leq y \leq 6$	$x \geq 0$
{-6, -2, -1, 1, 3, 6}	$y \leq 4$