

NAME: KEY

PER: _____

Domain & Range (Matching Station)

NOTES:

Write what you know about the following topics.

DOMAIN

Left to Right
"x"

RANGE

Bottom to Top
"y"

What symbols are used with D&R?

\circ - open, Not Included

∞ - Infinity

\bullet - closed, Included

{Smallest

\leq
 \geq
 $<$
 $>$

variable:
"x/y"

\leq
 \geq
 $<$
 $>$

{Biggest}

PRACTICE:

Use cards to match with correct Domain & Range.

Match each domain and range given in this table with a graph labeled from A to L on the attached page. Only use Graphs A - L for this page. Write the letter of your answer in the blank provided for each problem.

<p><u>D</u> 1.</p> <p>Domain: $\{-4 \leq x \leq 4\}$</p> <p>Range: $\{-4 \leq y \leq 4\}$</p> <p>Function: NO</p>	<p><u>G</u> 2.</p> <p>Domain: $\{-3 < x \leq 5\}$</p> <p>Range: $\{y = -1\}$</p> <p>Function: YES</p>	<p><u>H</u> 3.</p> <p>Domain: $\{-4 \leq x \leq 2\}$</p> <p>Range: $\{-2 \leq y \leq 4\}$</p> <p>Function: YES</p>
<p><u>F</u> 4.</p> <p>Domain: $\{x > 0\}$</p> <p>Range: $\{y = 4\}$</p> <p>Function: YES</p>	<p><u>A</u> 5.</p> <p>Domain: $\{-6 \leq x \leq 6\}$</p> <p>Range: $\{0 \leq y \leq 6\}$</p> <p>Function: YES</p>	<p><u>C</u> 6.</p> <p>Domain: $\{x = -5\}$</p> <p>Range: $\{-2 < y < 6\}$</p> <p>Function: NO</p>