

Name: _____ Period: _____ Date: _____

DOMAIN AND RANGE MATCHING ACTIVITY

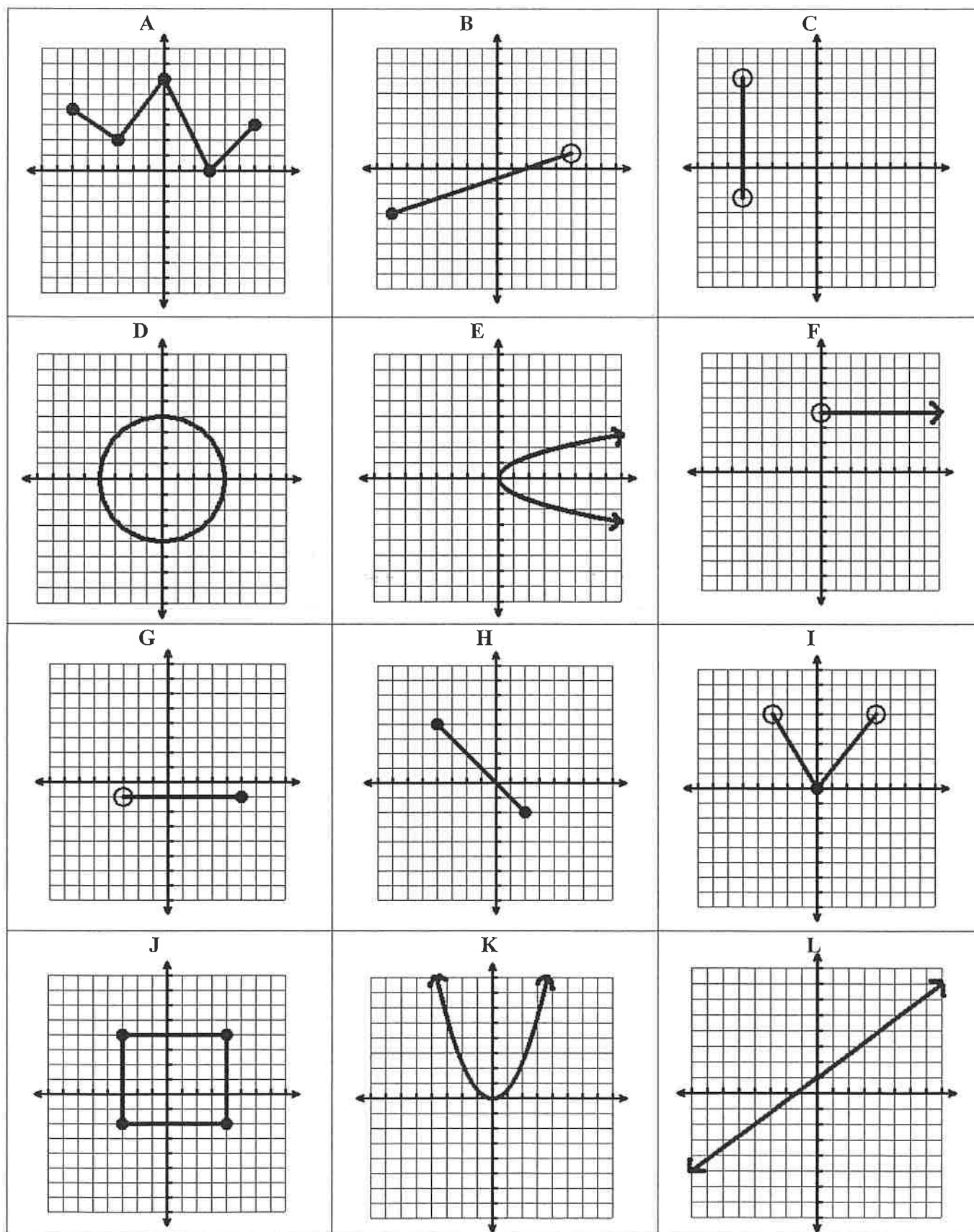
Read the attached page of notes first below beginning this activity. It gives you examples of domain and range problems just like these.

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>_____ 1.</p> <p>Domain: $\{-4 \leq x \leq 4\}$</p> <p>Range: $\{-4 \leq y \leq 4\}$</p> <p>Function: NO</p>	<p>_____ 2.</p> <p>Domain: $\{-3 < x \leq 5\}$</p> <p>Range: $\{y = -1\}$</p> <p>Function: YES</p>	<p>_____ 3.</p> <p>Domain: $\{-4 \leq x \leq 2\}$</p> <p>Range: $\{-2 \leq y \leq 4\}$</p> <p>Function: YES</p>
<p>_____ 4.</p> <p>Domain: $\{x > 0\}$</p> <p>Range: $\{y = 4\}$</p> <p>Function: YES</p>	<p>_____ 5.</p> <p>Domain: $\{-6 \leq x \leq 6\}$</p> <p>Range: $\{0 \leq y \leq 6\}$</p> <p>Function: YES</p>	<p>_____ 6.</p> <p>Domain: $\{x = -5\}$</p> <p>Range: $\{-2 < y < 6\}$</p> <p>Function: NO</p>
<p>_____ 7.</p> <p>Domain: $\{x \geq 0\}$</p> <p>Range: $\{\text{all real numbers}\}$</p> <p>Function: NO</p>	<p>_____ 8.</p> <p>Domain: $\{-3 \leq x \leq 4\}$</p> <p>Range: $\{-2 \leq y \leq 4\}$</p> <p>Function: NO</p>	<p>_____ 9.</p> <p>Domain: $\{\text{all real numbers}\}$</p> <p>Range: $\{\text{all real numbers}\}$</p> <p>Function: YES</p>
<p>_____ 10.</p> <p>Domain: $\{-7 \leq x < 5\}$</p> <p>Range: $\{-3 \leq y < 1\}$</p> <p>Function: YES</p>	<p>_____ 11.</p> <p>Domain: $\{\text{all real numbers}\}$</p> <p>Range: $\{y \geq 0\}$</p> <p>Function: YES</p>	<p>_____ 12.</p> <p>Domain: $\{-3 < x < 4\}$</p> <p>Range: $\{0 \leq y \leq 5\}$</p> <p>Function: YES</p>

CONTINUES ON THE BACK SIDE!

USE THESE GRAPHS TO ANSWER QUESTIONS 1 – 12.



Name: _____ Period: _____ Date: _____

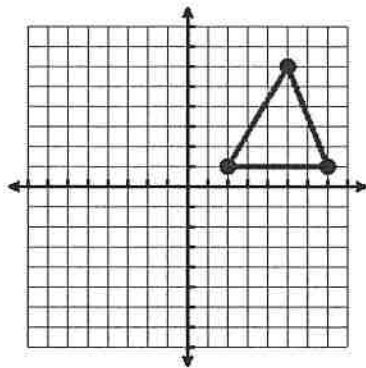
DOMAIN AND RANGE MATCHING ACTIVITY

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

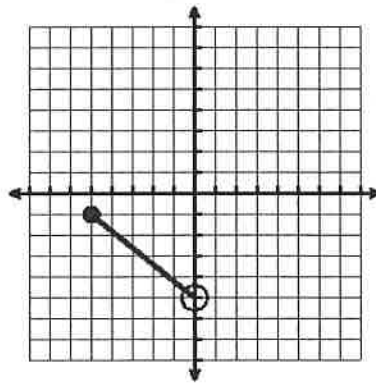
<p>_____ 13.</p> <p>Domain: $\{-6 \leq x \leq 3\}$</p> <p>Range: $\{-6 \leq y \leq -1\}$</p> <p>Function: YES</p>	<p>_____ 14.</p> <p>Domain: $\{0 \leq x < 5\}$</p> <p>Range: $\{0 \leq y < 7\}$</p> <p>Function: YES</p>	<p>_____ 15.</p> <p>Domain: $\{-5 \leq x < 0\}$</p> <p>Range: $\{-5 < y \leq -1\}$</p> <p>Function: YES</p>
<p>_____ 16.</p> <p>Domain: $\{-6 \leq x \leq 3\}$</p> <p>Range: $\{-5 \leq y \leq -1\}$</p> <p>Function: YES</p>	<p>_____ 17.</p> <p>Domain: $\{0 \leq x \leq 6\}$</p> <p>Range: $\{0 \leq y \leq 7\}$</p> <p>Function: YES</p>	<p>_____ 18.</p> <p>Domain: $\{-4 \leq x \leq 7\}$</p> <p>Range: $\{-7 \leq y \leq -2\}$</p> <p>Function: NO</p>
<p>_____ 19.</p> <p>Domain: $\{x \leq 0\}$</p> <p>Range: $\{y \geq 0\}$</p> <p>Function: YES</p>	<p>_____ 20.</p> <p>Domain: $\{2 \leq x \leq 7\}$</p> <p>Range: $\{1 \leq x \leq 6\}$</p> <p>Function: NO</p>	<p>_____ 21.</p> <p>Domain: $\{0 \leq x \leq 4\}$</p> <p>Range: $\{0 \leq y \leq 6\}$</p> <p>Function: YES</p>
<p>_____ 22.</p> <p>Domain: $\{-4 < x < 5\}$</p> <p>Range: $\{-2 \leq y < 5\}$</p> <p>Function: YES</p>	<p>_____ 23.</p> <p>Domain: $\{x \leq 5\}$</p> <p>Range: $\{y = 0\}$</p> <p>Function: YES</p>	<p>_____ 24.</p> <p>Domain: $\{-7 < x < 0\}$</p> <p>Range: $\{-3 < y < 4\}$</p> <p>Function: YES</p>

USE THESE GRAPHS TO ANSWER QUESTIONS 13 – 24.

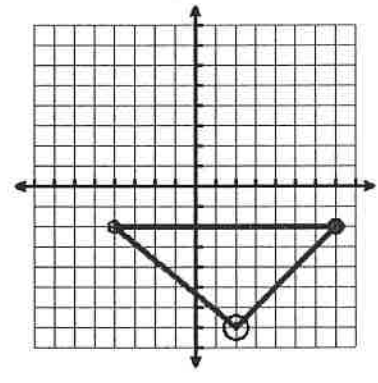
M



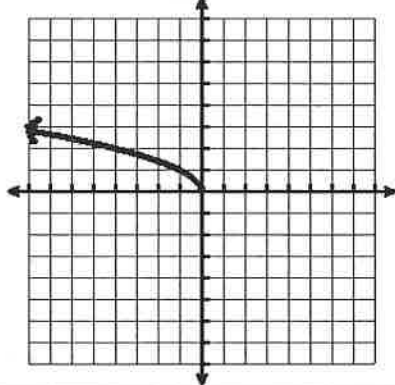
N



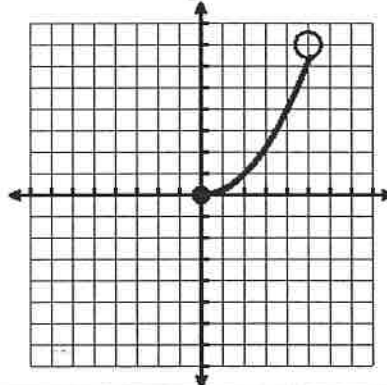
O



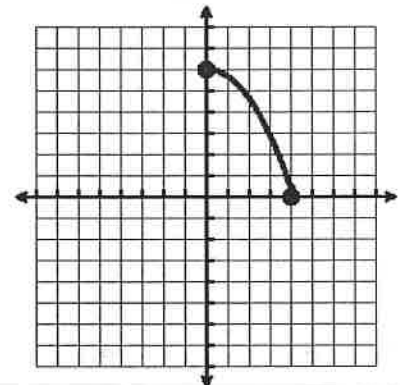
P



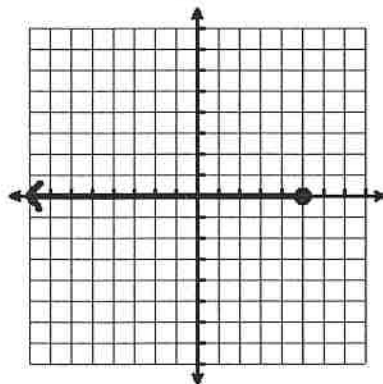
Q



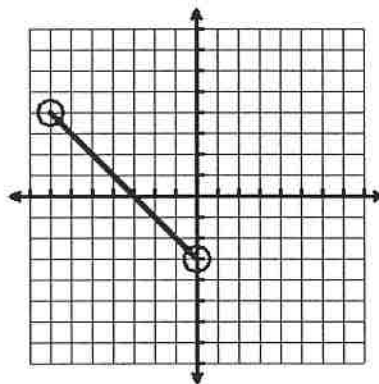
R



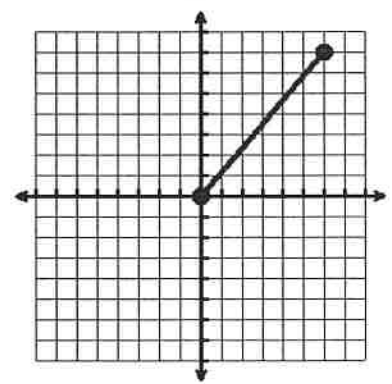
S



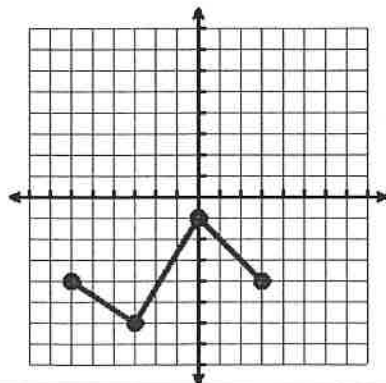
T



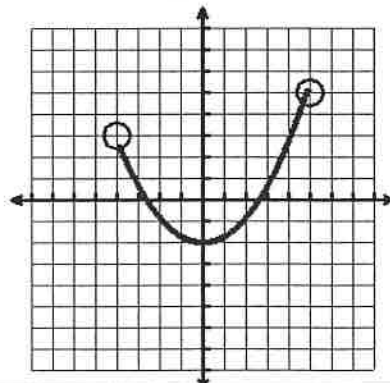
U



V



W



X

