

Problem of the Day: Write the following as a table and a mapping.

$\{(2, 7), (-1, 0), (0, -2), (0, 6), (4, 0), (4, 5), (3, 5), (2, 8)\}$

Plan for the Day:

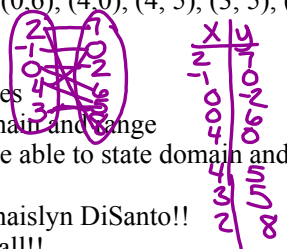
Finish last week's notes

More practice on domain and range

Objective: We will be able to state domain and range.

Happy Birthday to Chaislyn DiSanto!!

Happy First Day of Fall!!



Example: State the domain and range of the following relations.

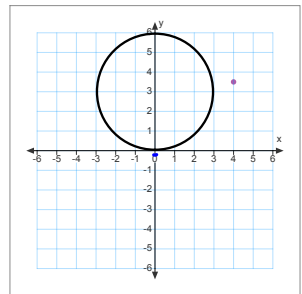
a.  $\{(3, 4), (7, 9), (-4, 2), (0, 5), (3, 5)\}$

D:  $\{-4, 0, 3, 7\}$  R:  $\{2, 4, 5, 9\}$

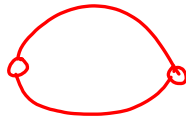
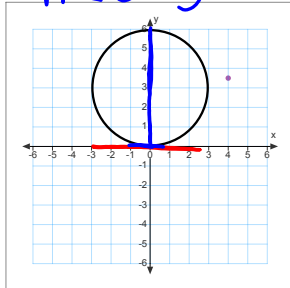
b.  $\left\{ \begin{array}{c|c} x & y \\ \hline 2 & 3 \\ -1 & 8 \\ 4 & 5 \end{array} \right\}$  D:  $\{-1, 2, 4\}$

R:  $\{3, 5, 8\}$

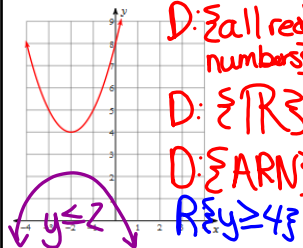
Domain Range



C. D:  $\{-3 \leq x \leq 3\}$   
R:  $\{0 \leq y \leq 6\}$



Example: State the domain and range of the relation below.

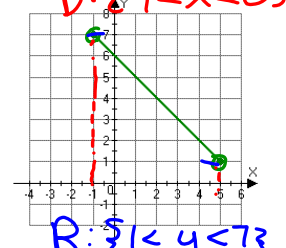


D:  $\{\text{all real numbers}\}$

D:  $\{R\}$

D:  $\{A, R, N\}$

R:  $\{y \geq 2\}$



D:  $\{-1 < x < 5\}$

R:  $\{1 < y < 7\}$

Try on your own

Represent the following relation as a list, table, and mapping. State the domain and range.

