

STARTER 10/3/2018

Given the relation:  $\{(-3,4), (6,2), (-5,1), (6,-3), (1,2)\}$

State the Domain:  $\{-5, -3, 1, 6\}$  State the Range:  $\{-3, 1, 2, 4\}$

Is the relation a function? **NO** Why or why not? **6 repeats**

Draw a mapping of the relation.

A mapping diagram with two ovals. The left oval contains the domain elements  $-5, -3, 1, 6$  and the right oval contains the range elements  $-3, 1, 2, 4$ . Red arrows indicate the following mappings:  $-5 \rightarrow 1$ ,  $-3 \rightarrow 4$ ,  $1 \rightarrow 2$ , and  $6 \rightarrow -3$  and  $6 \rightarrow 2$ .

**Function** | **Not a Function**

A mapping diagram labeled 'e.' with a box containing two ovals. The left oval contains the domain elements  $1, 2, 3, 4$  and the right oval contains the range elements  $1, 2, 3, 4$ . Arrows show a one-to-one mapping:  $1 \rightarrow 1$ ,  $2 \rightarrow 2$ ,  $3 \rightarrow 3$ , and  $4 \rightarrow 4$ .