Name _____ Period_____ Date_____

Created by Corbin/Lyons

Pre-Algebra: Functions #2

Write the definitions:

1. Relation –

2. Function –

3. Domain -   Range -

_____

4. Which letter **cannot** repeat if the relation is a function?   *x or y* (Circle one)

_____

5. Identify the Domain, Range:

$$(-2, 5), (-1, 2), (0, 4), (1, -9)$$
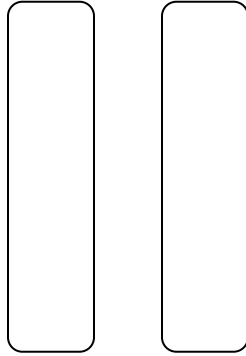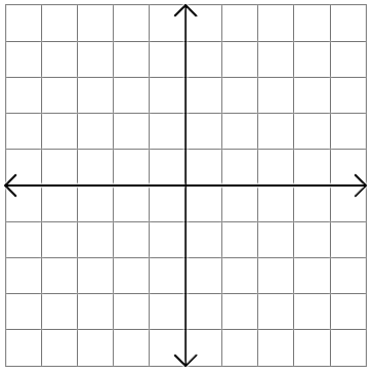
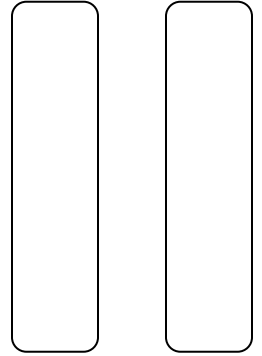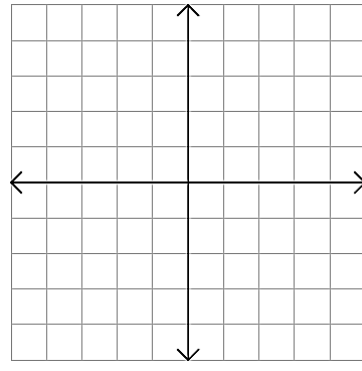Domain: Range:

Which values are independent?   **domain** or **range** (Circle the correct answer)

6. Represent the following relation as a graph and a mapping diagram to tell whether it is a function:
    a. $(0,3)$, $(3,3)$, $(-4,-2)$, $(-1,-2)$, $(2,-2)$ b. $(-3,4)$, $(3,1)$, $(-1,-2)$, $(3,-2)$, $(-2,0)$
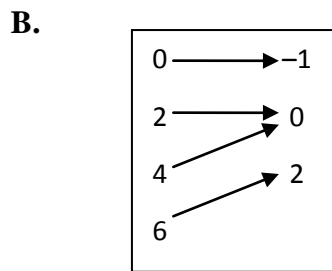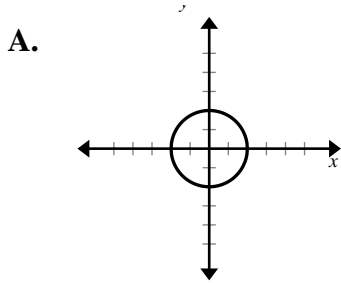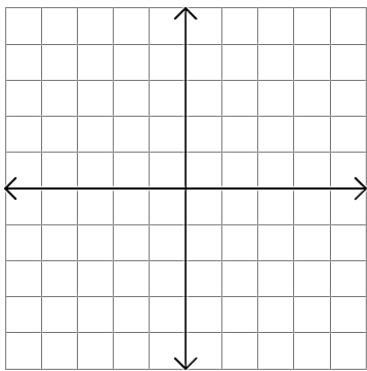
Function? Yes or No (Circle one)   Function? Yes or No (Circle one)
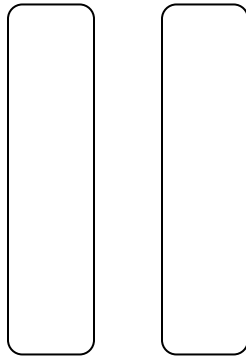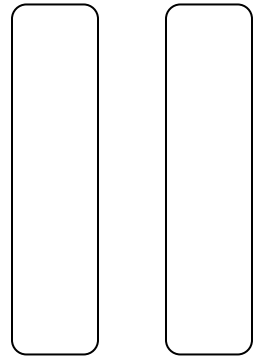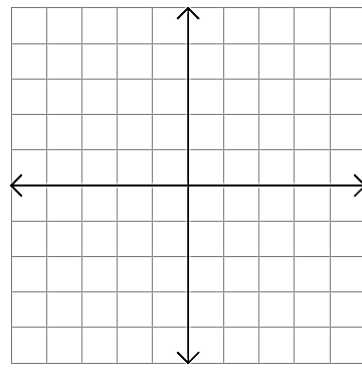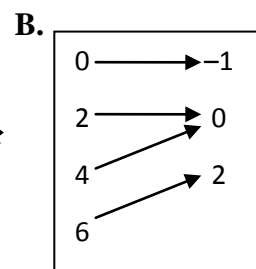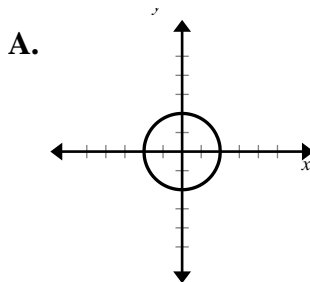
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7. Which relation is NOT a function below? _____

A.

B.
```
0 ──────▶ −1
2 ──────▶ 0
4 ──────▶ 2
6
```

C. {(-3, 6), (-7, 2), (-4, 6), (-1, 5)}

D.

x	−2	0	2	4
y	−1	−1	−1	−1