

1. What is the domain and range of the following relation?

$(-1,2), (2, 51), (1, 3), (8, 22), (9, 51)$

Domain:

Range:

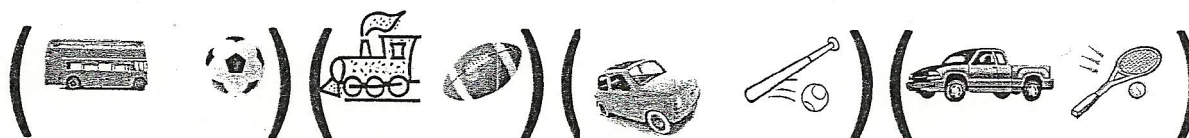
2. What is the domain and range of the following relation?

$(-5,6), (21, -51), (11, 93), (81, 202), (19, 51)$

Domain:

Range:

3. What is the domain and range of the following symbolic relation?



Domain:

Range:

4. Which relations below are functions? _____

Relation #1 { $(-1,2), (-4,51), (1,2), (8,-51)$ }

Relation #2 { $(13,14), (13,5), (16,7), (18,13)$ }

Relation #3 { $(3,90), (4,54), (6,71), (8, 90)$ }

5. Which relations below are functions? _____

Relation #1 { $(3,4), (4,5), (6,7), (8,9)$ }

Relation #2 { $(3,4), (4,5), (6,7), (3,9)$ }

Relation #3 { $(-3,4), (4,-5), (0,0), (8,9)$ }

Relation #4 { $(8, 11), (34,5), (6,17), (8,19)$ }

6. Which relations below are functions? _____

Relation #1 { $(3,4), (4,5), (6,7), (3,-9)$ }

Relation #2 { $(3,4), (4,5), (6,7), (5,4)$ }

Relation #3 { $(0,4), (4,-5), (0,0), (8,9)$ }

Relation #4 { $(8, 11), (34,5), (6,17), (6,19)$ }

7. For the following relation to be a function, X cannot be what values?

$(8, 11), (34,5), (6,17), (X, 22)$

8. For the following relation to be a function, X cannot be what values?

$(12, 13), (-11, 22), (33, 101), (X, 22)$