- 1. X E X such that x is an item to buy on the shopping list
- 2. Reflexive: The same paths have the same lengths.

Symmotric: If a path has the same length as another path, the other path has the same length as it.

Transitive. If path x has the same length as path y and path y has the same length as path & then path x has the same length as path Z.

- 3. f(x) = 2x is a bijection
- 4. Reflexive: There is a bijection from a set to itself

 Symmetric: A bijection from A to B means there's a bijection from B to A

 Transitive: If A to B is a bijection and B to C is a bijection, A to C is a bijection.
- S. a. S can be rotated any number of degrees and reflected over the

