Principles of Algebra Name/Date_____

WS 6C.1 – Relations

For each relation, state the domain and range. Then create a table, a mapping, and a graph.

1. $\{ (2, 6), (10, 4), (2, -8), (-6, 0) \}$

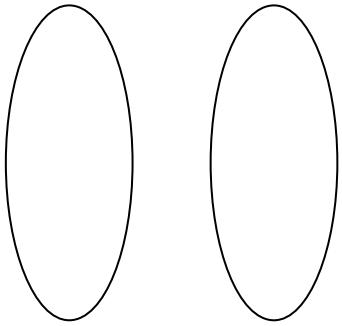
Domain { }

Range { }

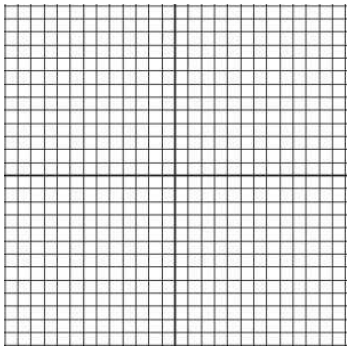
Table

x	y

Mapping



Graph



2. $\{ (-6, 0), (12, 1), (-6, 2), (12, 5) \}$

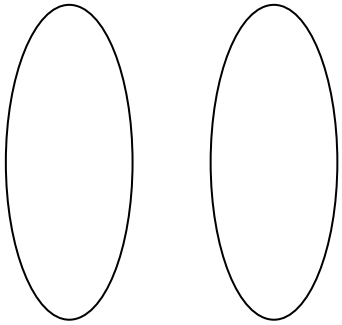
Domain { }

Range { }

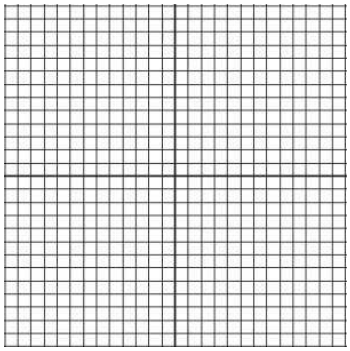
Table

x	y

Mapping



Graph



3. $\{ (8, 2), (8, -4), (8, 0), (8, 6) \}$

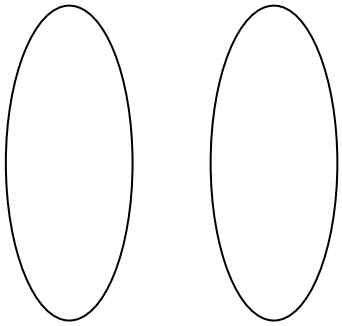
Domain { }

Range { }

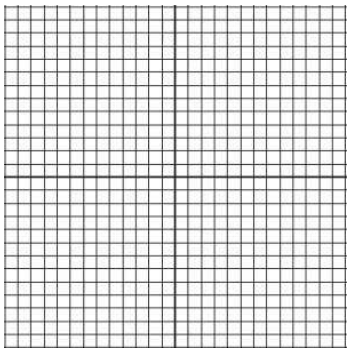
Table

x	y

Mapping



Graph



Complete each ordered pair so that it is a solution to $3x + y = 20$.

4. $(2, \_\_\_)$	5. $(\_\_\_, 5)$

Complete each ordered pair so that it is a solution to $2x + y = 32$.

6. $(\_\_\_, 2)$	7. $(12, \_\_\_)$

Complete each ordered pair so that it is a solution to $5x - y = 12$.

8. $(20, \_\_\_)$	9. $(\_\_\_, -7)$