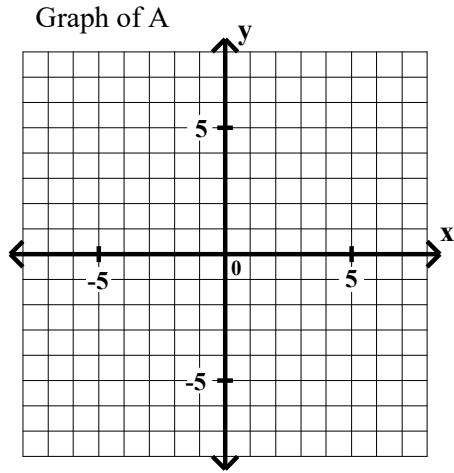**Algebra 1   Worksheet #1   Unit 8   page 1**   _____

In each problem below a relation is given using the listing method. In each case you are to
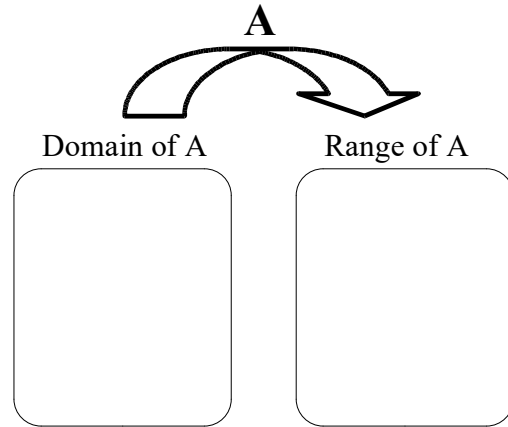   (a) graph the relation and
   (b) complete the mapping diagram for the relation.

1.   A = { (0 , 0) , (1 , 2) , (-1 , 2) , (2, 4) , (-2 , 4) , (3 , 6) , (-3 , 6) }
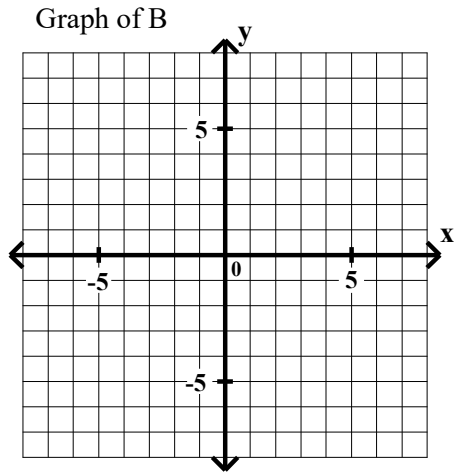
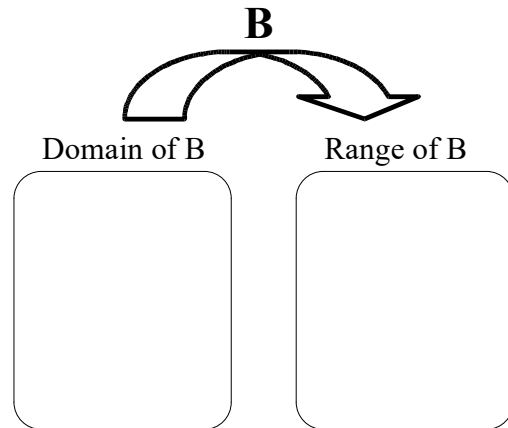(a)   (b)

Graph of A

A

Domain of A   Range of A

2.   B = { (-3 , 4) , (-2 , 3) , (-1 , 2) , (0, 1) , (1 , 0) , (2 , -1) , (3 , -2) }

(a)   (b)
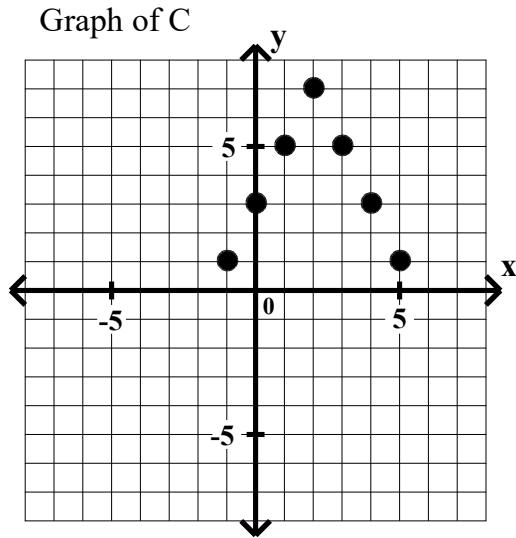
Graph of B

B

Domain of B   Range of B
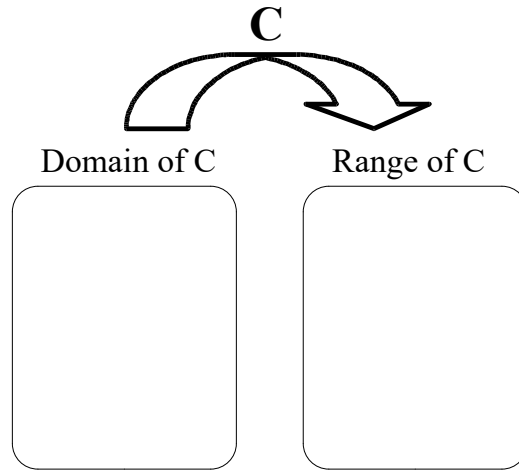
Algebra 1 Worksheet #1 Unit 8 page 2

In each problem below a relation is given using a graph. In each case you are to
      (a) describe the relation using the listing method and
      (b) complete the mapping diagram for the relation.
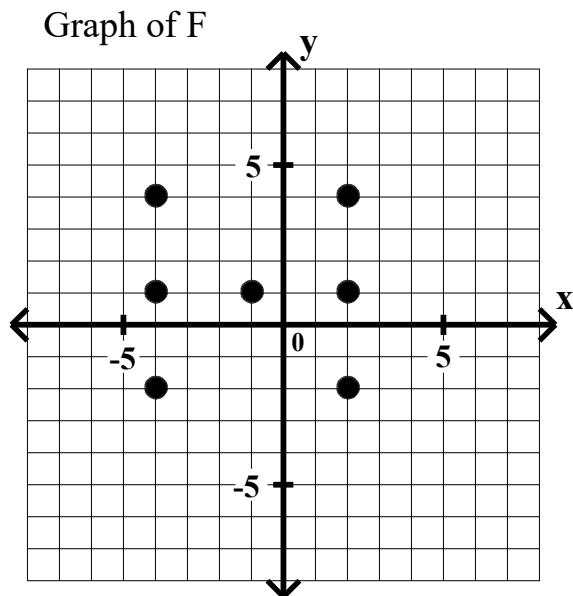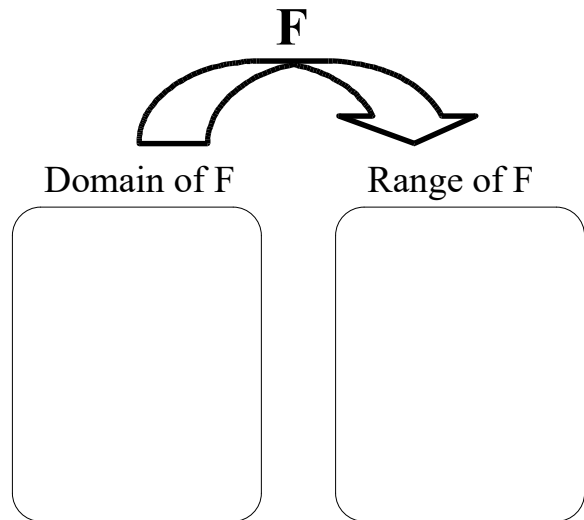
3. (a) C = _____

Graph of C   (b)

C

Domain of C   Range of C

4. (a) F = _____

Graph of F   (b)
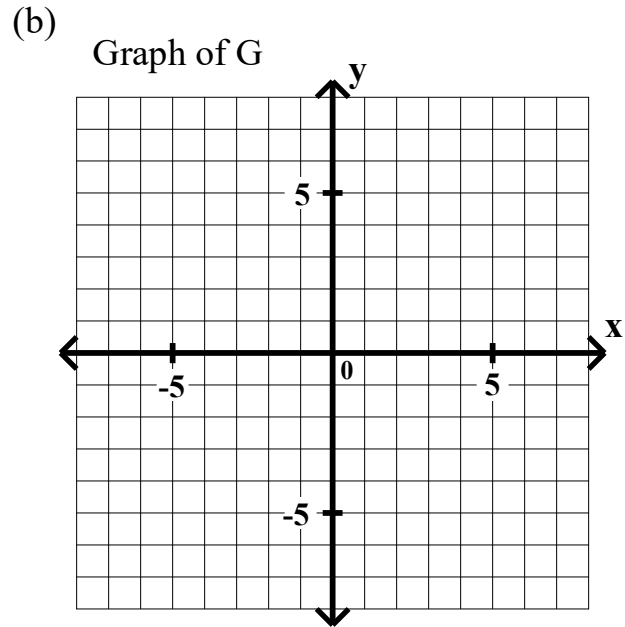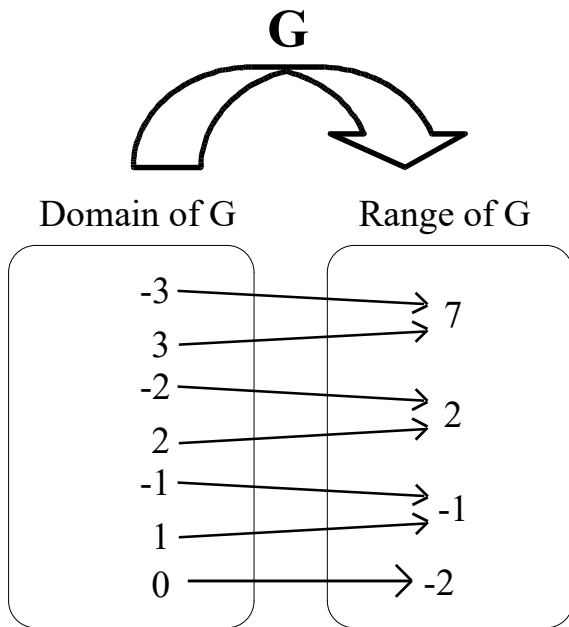
F

Domain of F   Range of F

Algebra 1   Worksheet #1   Unit 8   page 3

In each problem below a relation is given using a mapping diagram. In each case you are to
        (a) describe the relation using the listing method and
        (b) graph the relation.

5. (a) G = _____

G

Domain of G   Range of G

-3
3
-2
2
-1
1
0

7
2
-1
-2

(b)

Graph of G

6. (a) H = _____

H

Domain of H   Range of H

6
3
1
0

3
-3
2
-2
1
-1
0

(b)

Graph of H