

General Algebra II Worksheet #1 Unit 6 page 1 _____

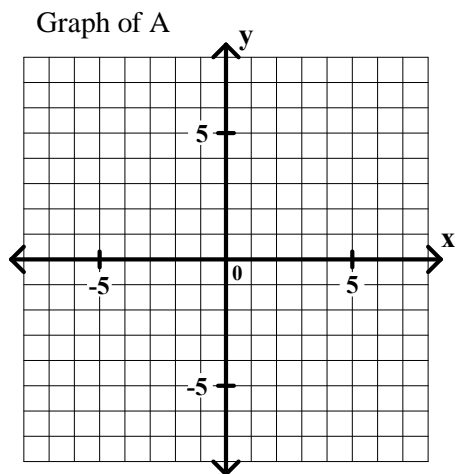
In each problem below a relation is given using the listing method. In each case you are to

(a) graph the relation and

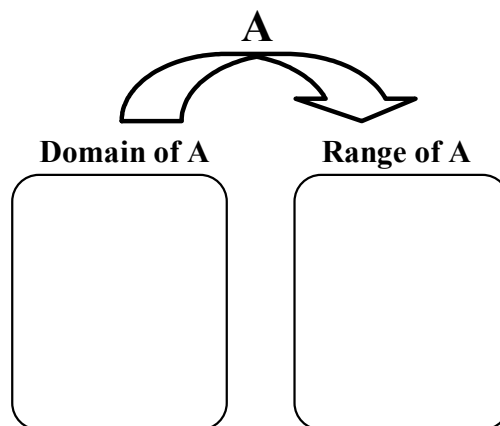
(b) complete the mapping diagram for the relation.

1. $A = \{ (0, 0), (1, 2), (-1, 2), (2, 4), (-2, 4), (3, 6), (-3, 6) \}$

(a)

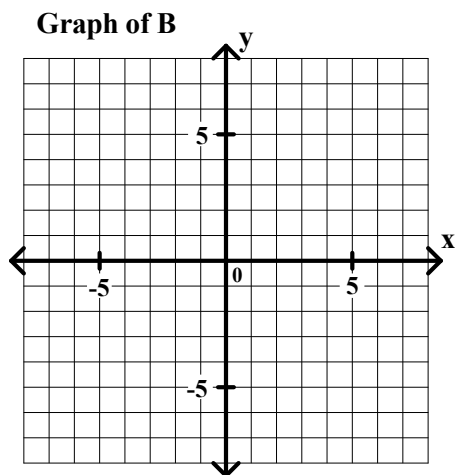


(b)

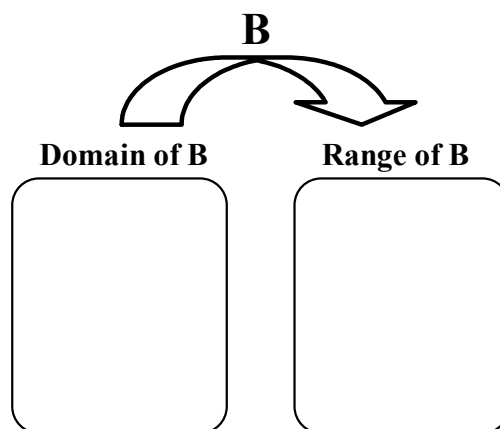


2. $B = \{ (-3, 4), (-2, 3), (-1, 2), (0, 1), (1, 0), (2, -1), (3, -2) \}$

(a)



(b)



General Algebra 3 Worksheet #1 Unit 4 page 2

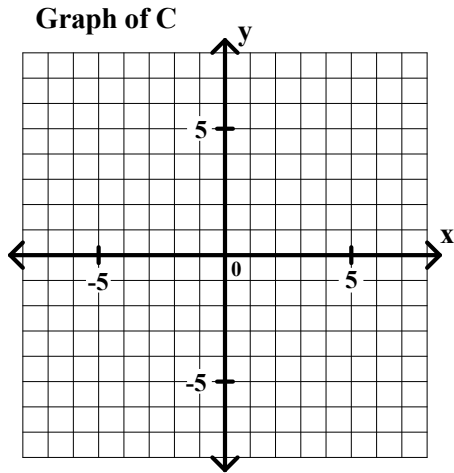
In each problem below a relation is given using the listing method. In each case you are to

(a) graph the relation and

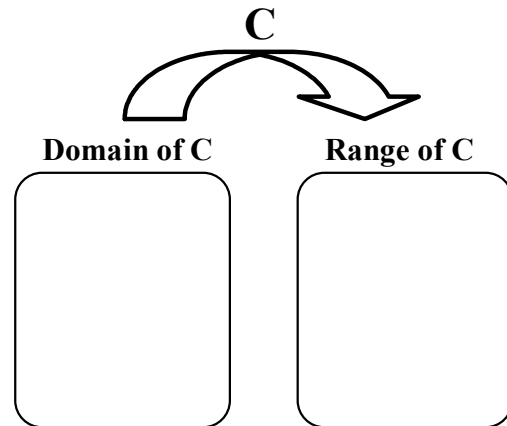
(b) complete the mapping diagram for the relation.

3. $C = \{(-6, -1), (-4, 1), (-2, 3), (0, 5), (2, 3), (4, 1), (6, -1)\}$

(a)

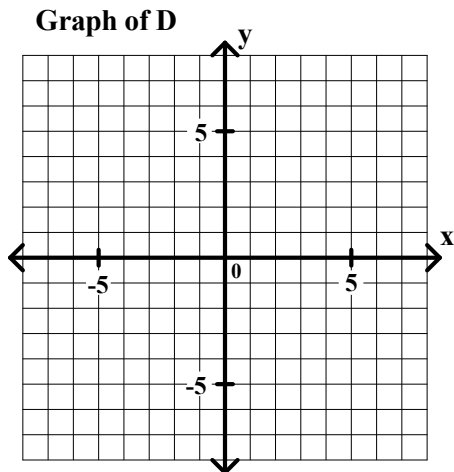


(b)

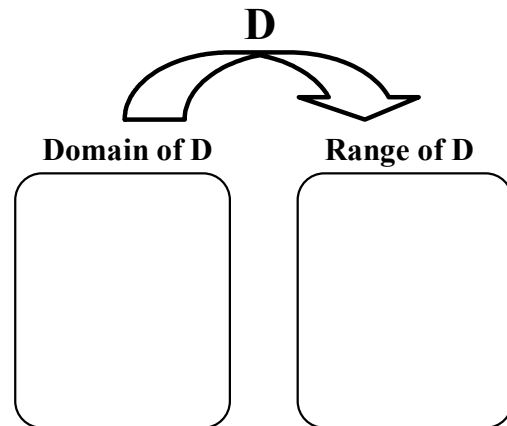


4. $D = \{(1, 2), (1, -2), (3, 4), (3, -4), (5, 2), (5, -2)\}$

(a)



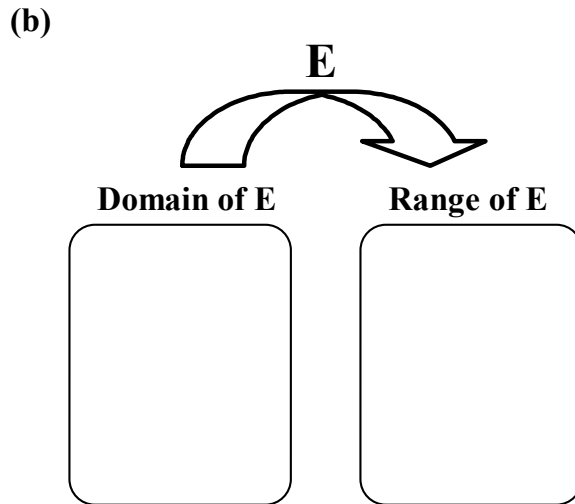
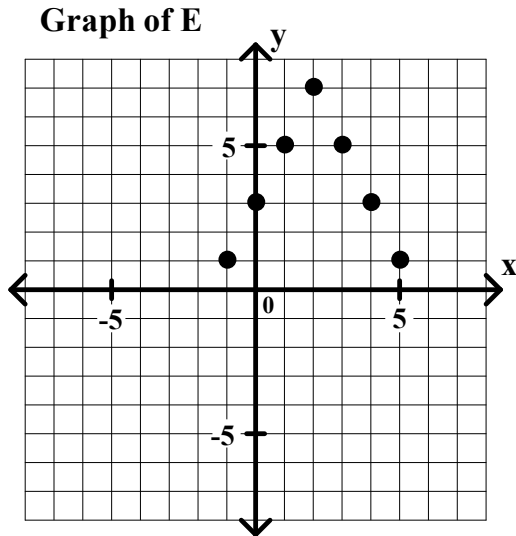
(b)



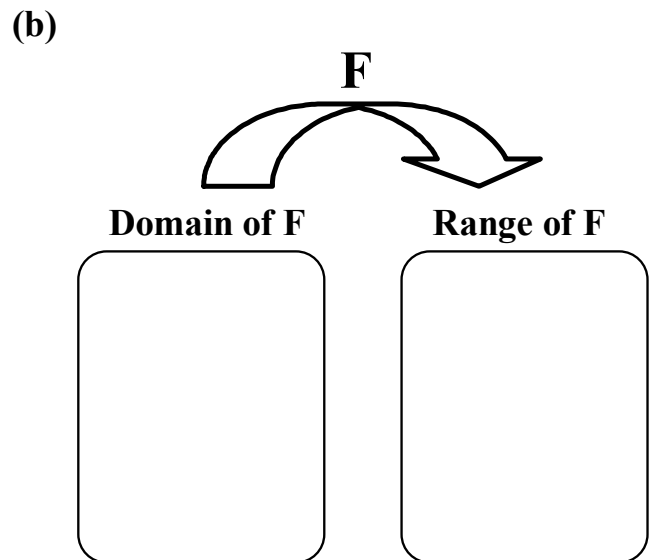
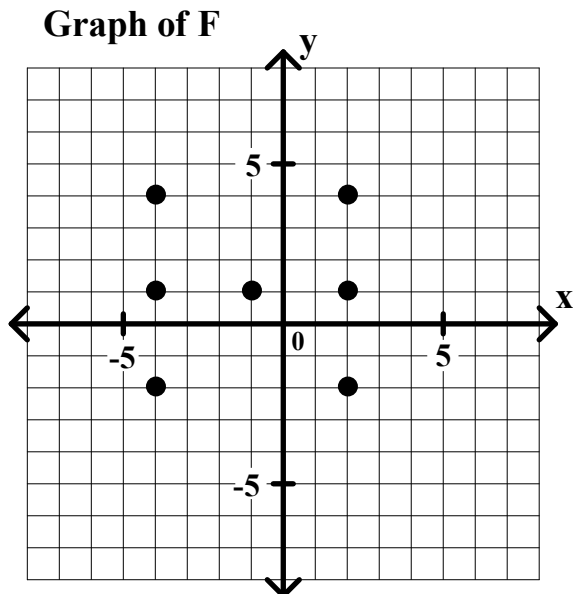
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In each problem below a relation is given using a graph. In each case you are to
 (a) describe the relation using the listing method and
 (b) complete the mapping diagram for the relation.

5. (a) $E =$ _____



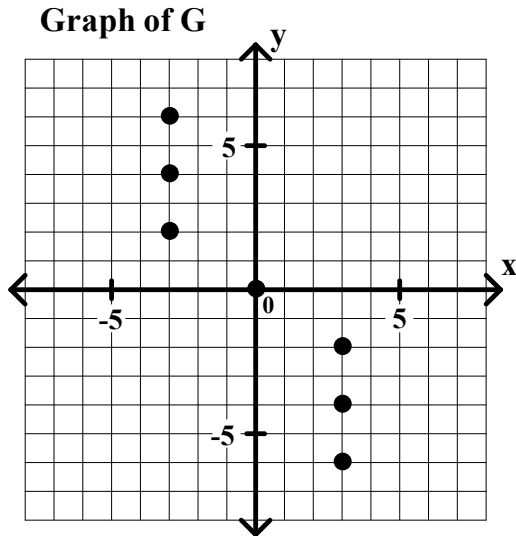
6. (a) $F =$ _____



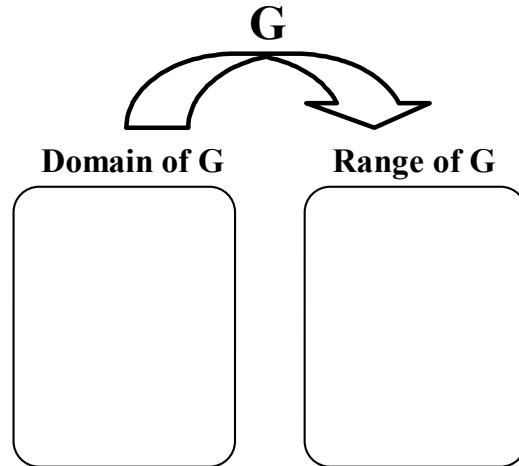
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In each problem below a relation is given using a graph. In each case you are to
 (a) describe the relation using the listing method and
 (b) complete the mapping diagram for the relation.

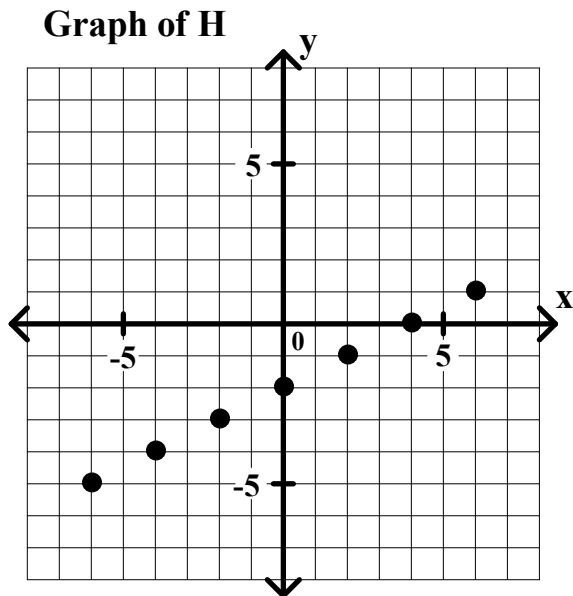
7. (a) $G =$ _____



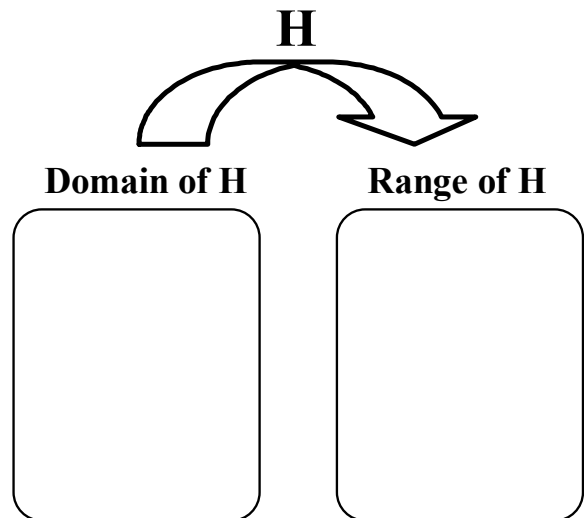
(b)



8. (a) $H =$ _____



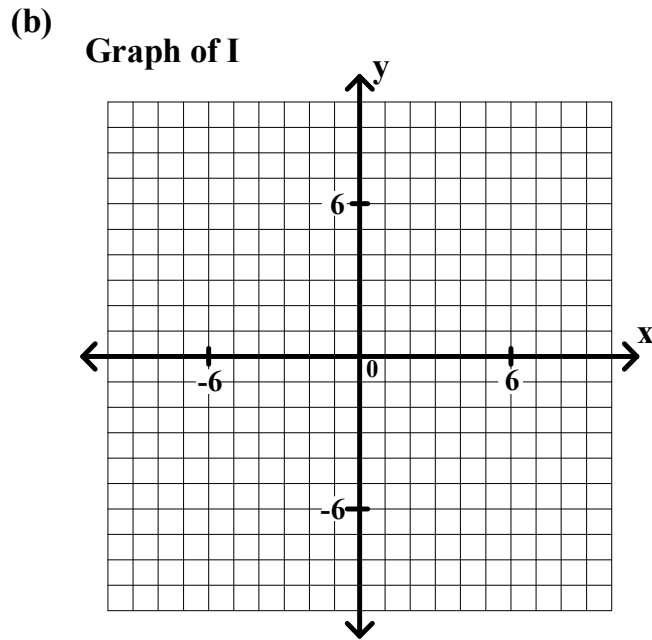
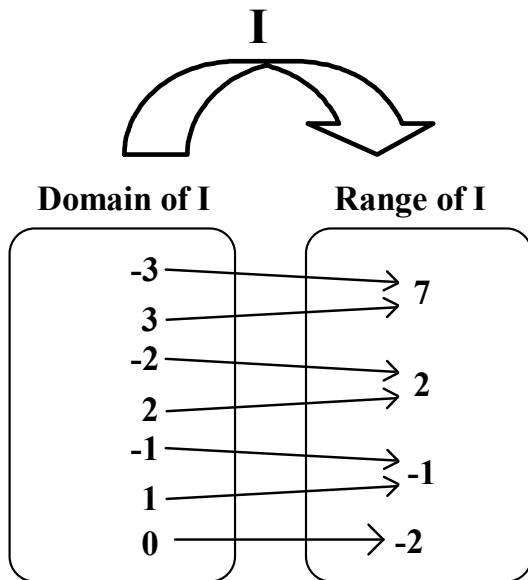
(b)



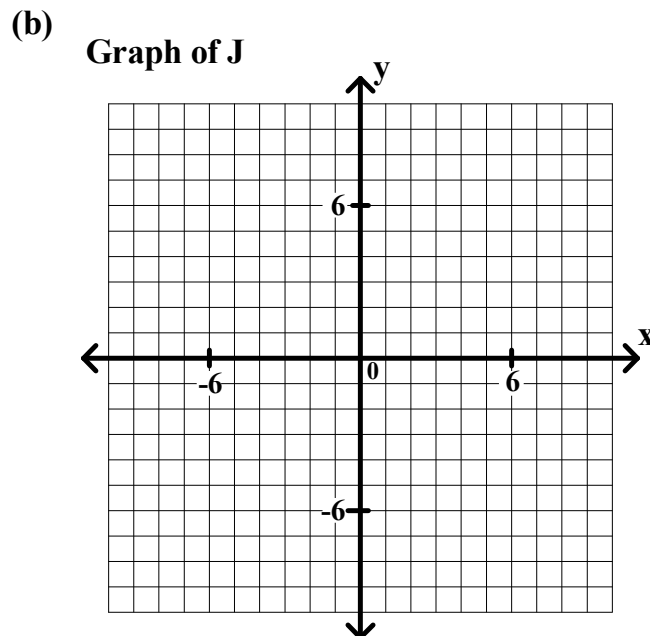
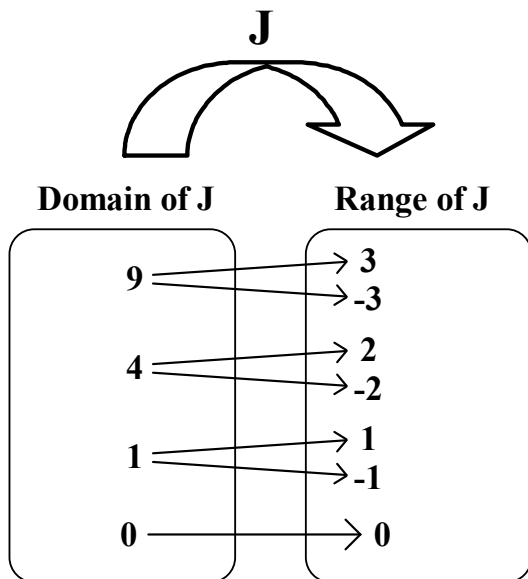
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In each problem below a relation is given using a mapping diagram. In each case you are to
 (a) describe the relation using the listing method and
 (b) graph the relation.

9. (a) $I =$ _____



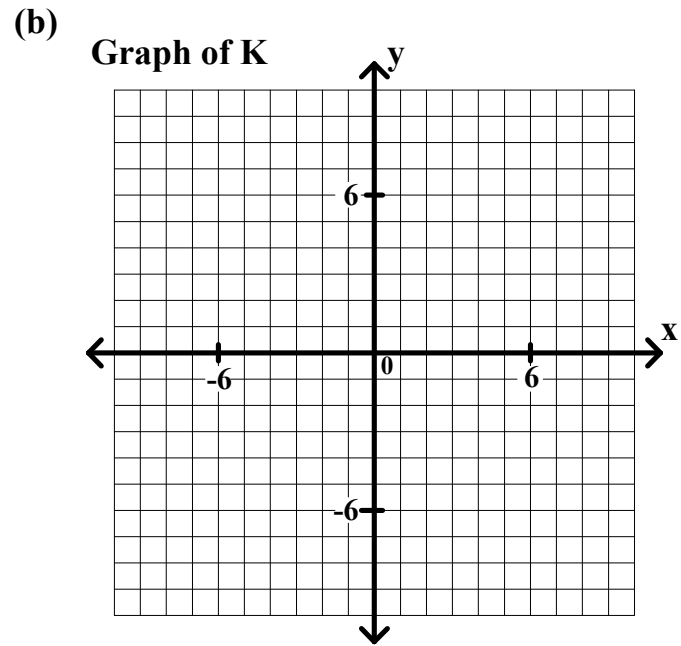
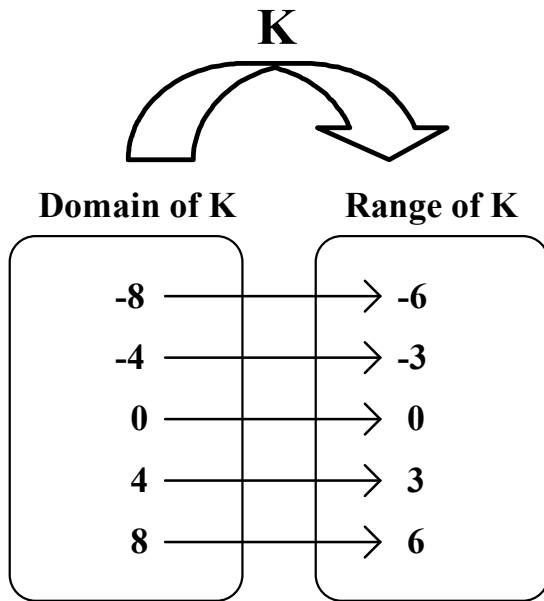
10. (a) $J =$ _____



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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.

11. (a) $K =$ _____



12. (a) $L =$ _____

