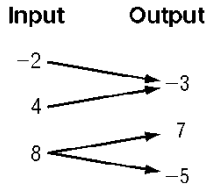


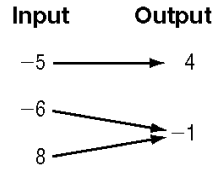
Algebra IA  
 Chapter 4 Lesson 1  
 Functions and Non-functions

State whether the following graphs, tables, mappings, and relations define a function.

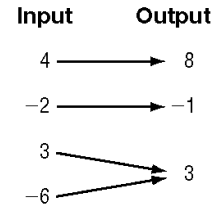
1.



2.



3.



4.

$\{(1, 2), (2, 3), (3, 4), (1, 5)\}$

5.

$\{(3, 5), (4, 6), (6, 8), (-3, 5)\}$

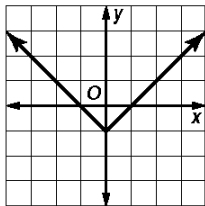
6.

<b>x</b>	5	2	-1	-7
<b>y</b>	1	-3	-6	4

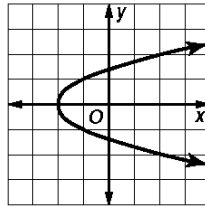
7.

<b>x</b>	4	6	8	4
<b>y</b>	1	-1	-3	-1

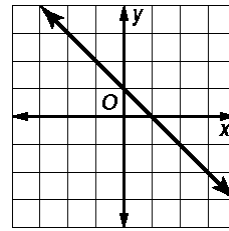
8.



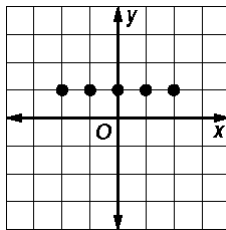
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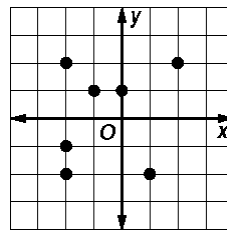
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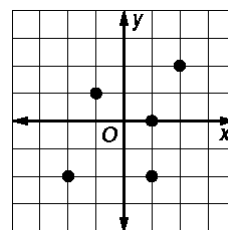
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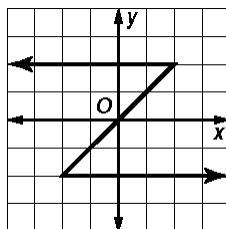
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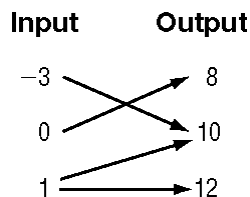
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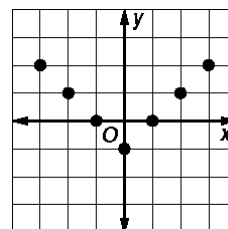
14.



15.



16.



17.

$$\{(4, -2), (2, -1), (-4, 3), (2, 1)\}$$

18.

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

19.

x	y
0	-4
3	-5
7	4
3	-5

20.

x	y
4	2
3	0
-3	1
-6	0

**Solve each equation.**

21)  $9n = 180$

22)  $p - 3 = 7$

23)  $x + 11 = 24$

24)  $\frac{m}{2} = 9$

25)  $n - 10 = 3$

26)  $3n = 36$

27)  $\frac{n}{8} = 9$

28)  $2 + x = 19$