

Name:

HW

Choose the correct answer.

1. The table shows that the total amount charged, in dollars, by a hot dog vendor is a function of the number of hot dogs purchased.

Vendor Charges

Number of Hot Dogs, x	Total Charge, y
1	\$2
2	\$4
3	\$6
4	\$8
5	\$10

What is the range of the function?

- A. 5, 10
B. 1, 2, 3, 4, 5
C. 2, 4, 6, 8, 10
D. 1, 2, 3, 4, 5, 6, 8, 10
2. Which set of ordered pairs represents a function?
- A. $(-2, 1), (0, 1), (1, -2), (3, 4)$
B. $(-1, 5), (-2, 3), (-2, 1), (-3, -1)$
C. $(12, 36), (9, 27), (-6, 30), (9, 18)$
D. $(3, 17), (-2, 11), (1, 8), (3, 5)$

3. Which table does **not** represent a function?

A.

x	7	8	8	9	10
y	7	14	21	28	35

B.

x	-2	-1	0	1	2
y	-8	-1	0	1	8

C.

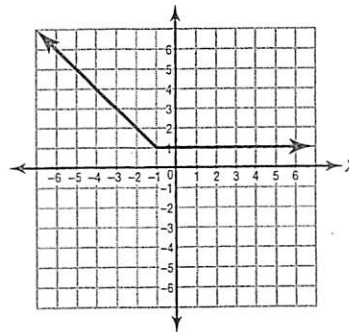
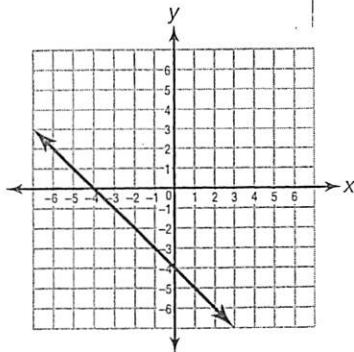
x	-8	-4	0	4	8
y	2	0	-1	-3	-5

D.

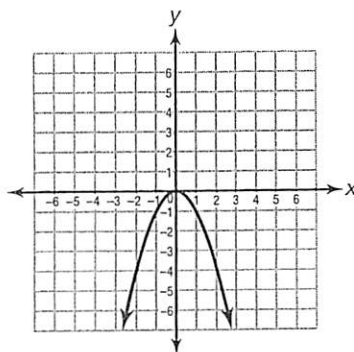
x	-10	-5	0	5	10
y	5	5	5	5	5

4. Which graph does **not** represent a function.

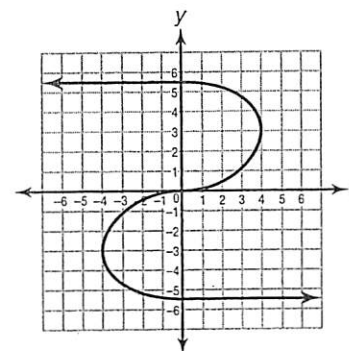
A.



B.



D.



5. The table below shows a relation.

x	-5	-3	-1	0	1
y	-3	-6	0	-3	3

A. Identify the domain and range for the relation above. Then list the domain and range in the boxes below and create a mapping diagram for this relation.

Domain

Range

B. Is the relation also a function? Use your mapping diagram to explain your answer.
