SM 2

Name:_____ Period:_____

# 2.1 Domain and Range Review

**Indicate whether each relation is a function by circling yes or no. Then write the relation as a set of ordered pairs. Then find the domain and range.**

1.

| $x$ | $y$ |
|---|---|
| –5 | 4 |
| –3 | 6 |
| –1 | 8 |
| 1 | –3 |
| 3 | –3 |

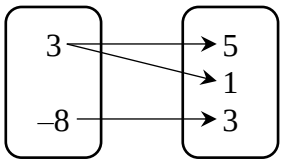
**Function? Yes / No**

**Ordered Pairs:**

**Domain:**

**Range:**

2.




**Function? Yes / No**

**Ordered Pairs:**

**Domain:**

**Range:**

**Indicate whether each relation is a function by circling yes or no. Then find the domain and range.**

3. $\{(-6,3),(4,-2),(4,7),(3,-8)\}$

**Function? Yes / No**

**Domain:**

**Range:**

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

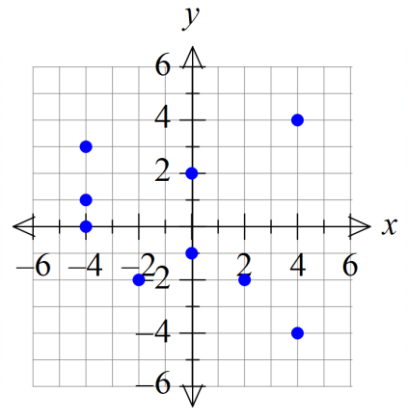
**Function? Yes / No**

**Domain:**

**Range:**

**Indicate whether each graph represents a function by circling yes or no. Then write the relation as a set of ordered pairs. Then find the domain and range.**

5.



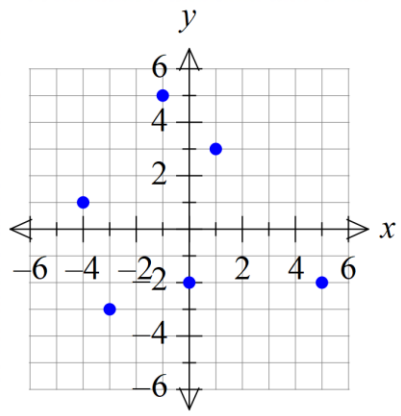

**Function? Yes / No**

**Ordered Pairs:**

**Domain:**

**Range:**

6.




**Function? Yes / No**

**Ordered Pairs:**

**Domain:**

**Range:**

**Determine if the following situation is a function. Describe the domain and range in words.**

7. The circumference of a circle is given by the diameter multiplied by pi, $C = \pi d$.

**Is this a function? Why or why not?**

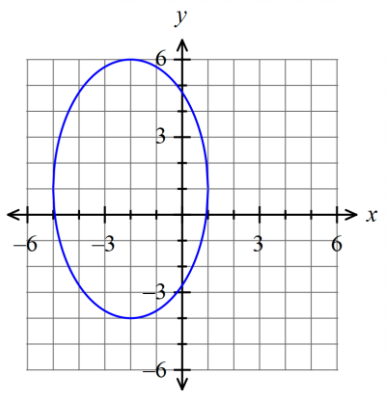
**Which variable represents the domain?** **Circumference or diameter**

**Domain:**

**Range:**

**Determine if the graph is a functions. Then state the domain and range in interval notation.**

8.

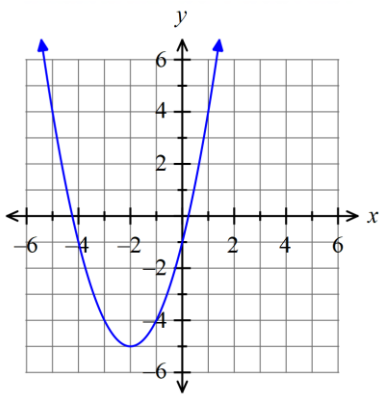



**Function?**

**Domain:**

**Range:**

9.

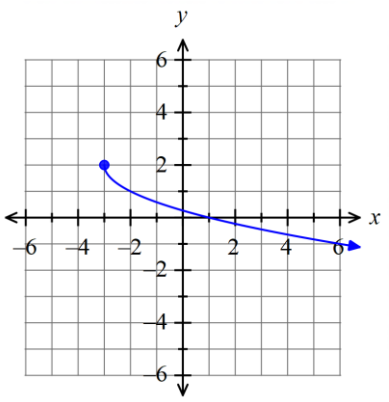



**Function?**

**Domain:**

**Range:**

10.

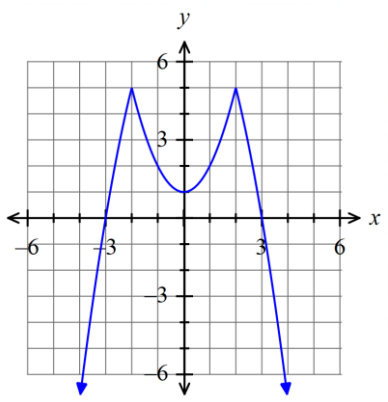



**Function?**

**Domain:**

**Range:**

11.

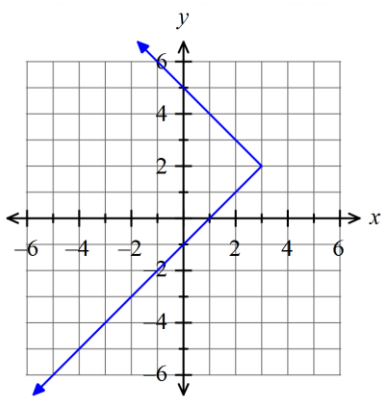



**Function?**

**Domain:**

**Range:**

12.

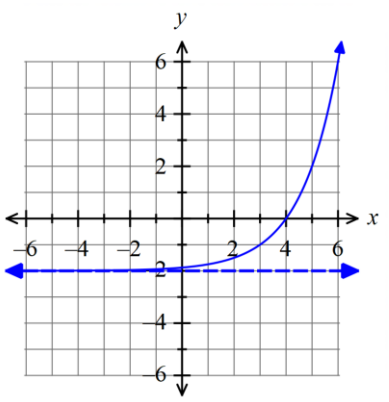



**Function?**

**Domain:**

**Range:**

13.




**Function?**

**Domain:**

**Range:**