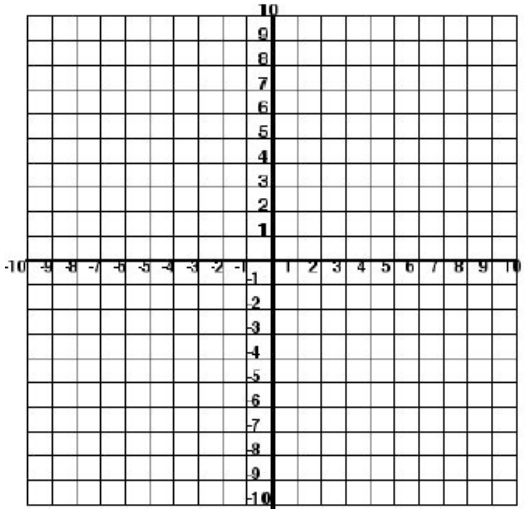
Discovering the Elementary/Parent Functions **Name: _____ Date: _____ Period: ____**

Instructions: For each function provided below, you must sketch an accurate graph on the corresponding grid by point-plotting and connecting the points. You will find the **domain and range** by looking at the **graphs** of he functions. We will fill in the "class notes" section after you plot the graphs.

---

1. **Parent Function:** $y = x$

x	Y
–5	
–4	
–3	
–2	
–1	
0	
1	
2	
3	
4	
5	

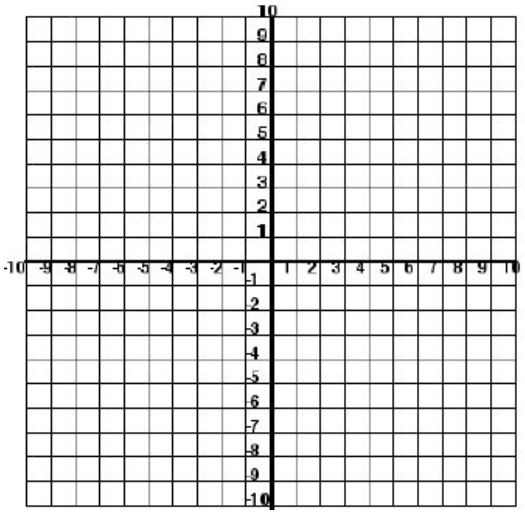


Domain:
Range:
Class Notes – special features of this function.

---

2. **Parent Function:** $y = |x|$

x	Y

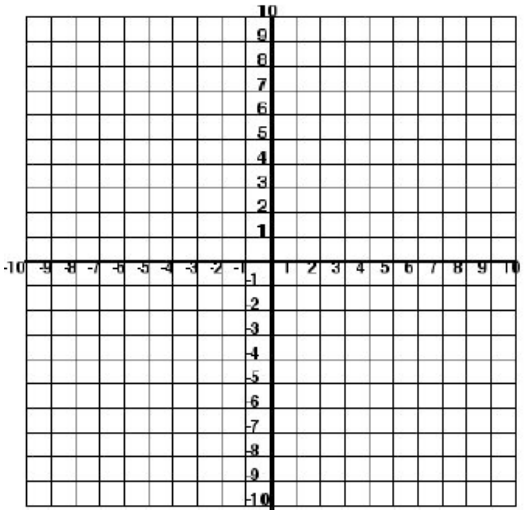


Domain:
Range:
Class Notes – special features of this function.

---

3. **Parent Function:** $y = x^2$

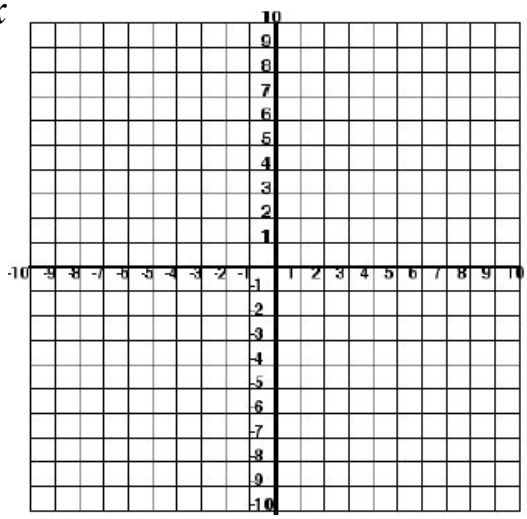
x	Y



Domain:
Range:
Class Notes – special features of this function.

4. Parent Function: $y = \sqrt{x}$

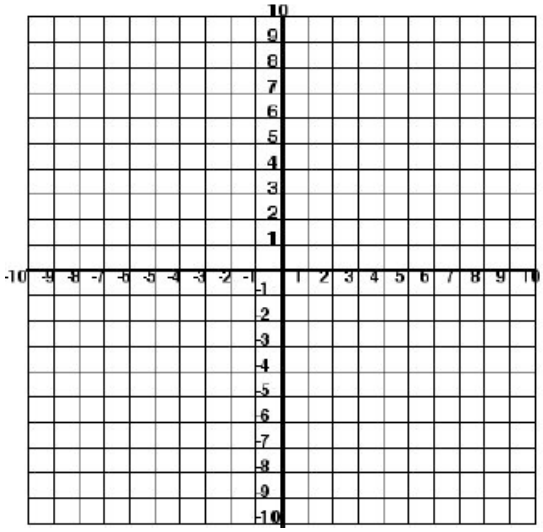
x	Y



Domain:
Range:
Class Notes – special features of this function.

5. Parent Function: $y = x^3$

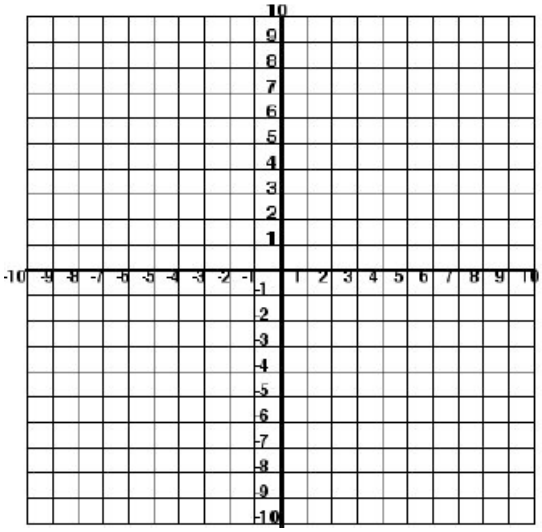
x	Y



Domain:
Range:
Class Notes – special features of this function.

6. Parent Function: $y = \sqrt[3]{x}$

x	Y



Domain:
Range:
Class Notes – special features of this function.