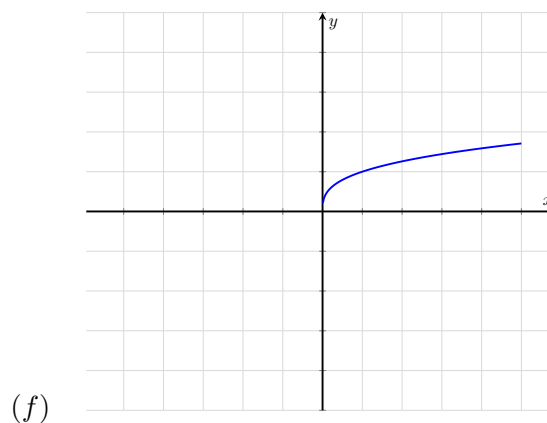
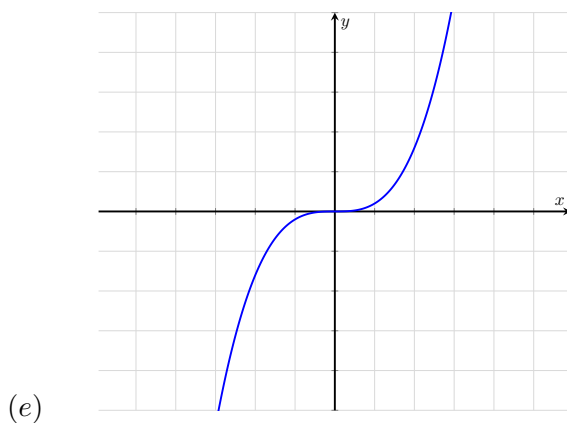
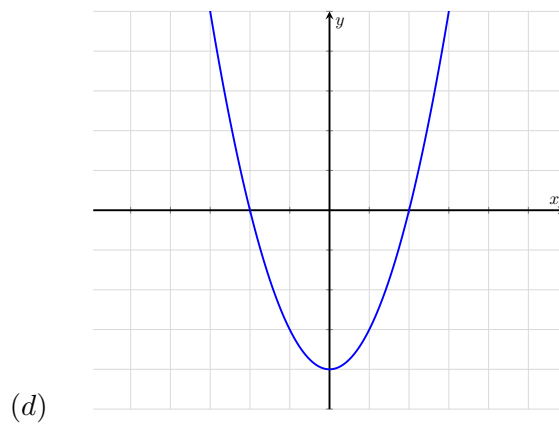
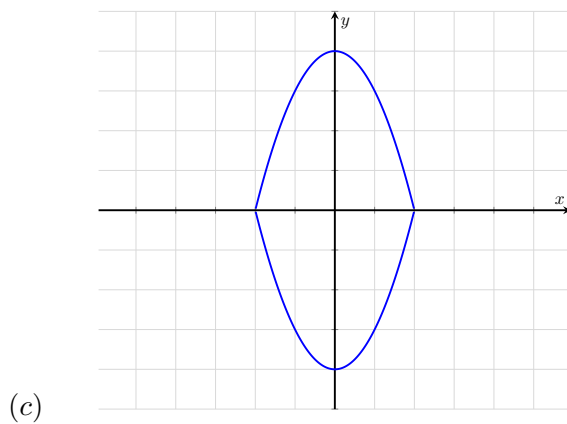
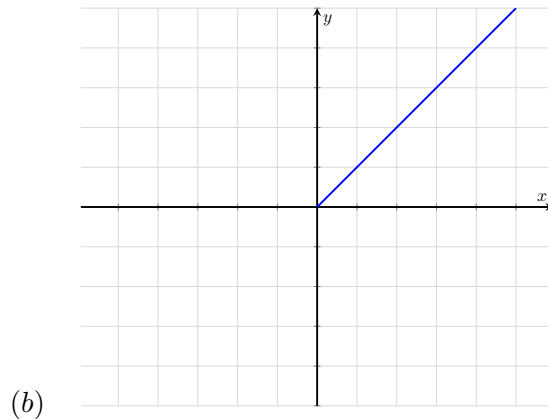
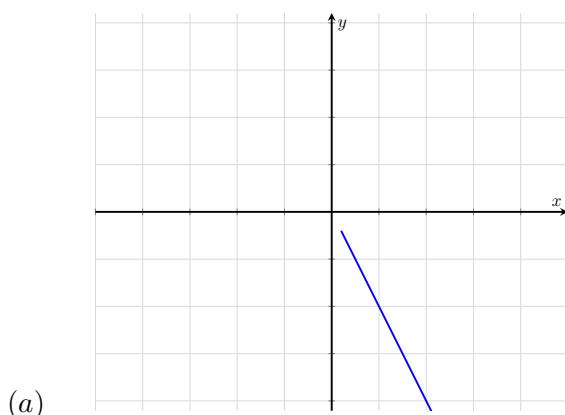
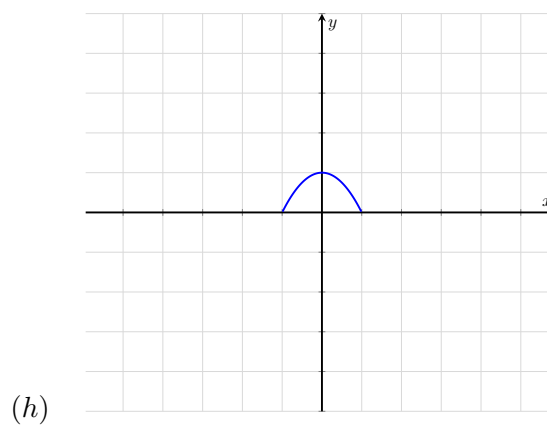
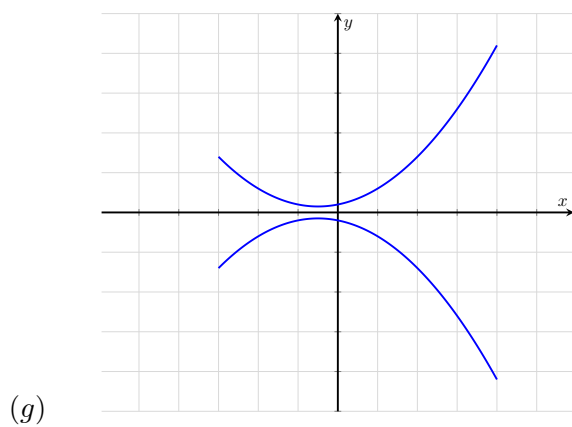


**ALGEBRA 2**  
**PROBLEM SET 5**

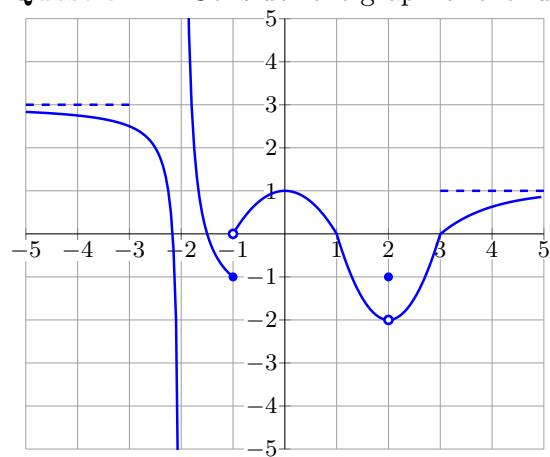
DUE DATE: SEPTEMBER 5

**Question 1.** Circle which of the following graphs are graphs of a function:



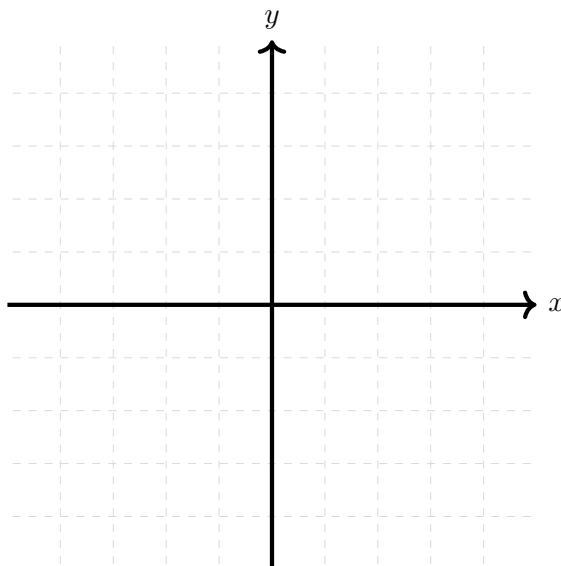


**Question 2.** Consider the graph of the function  $f(x)$  below:



- (a) Find the value of  $f(-3)$
- (b) Find the value of  $f(-1)$
- (c) Find the value of  $f(1)$
- (d) Find the value of  $f(2)$

**Question 3.** Draw the graph of the function  $f(x) = 3$ .



**Question 4.** Draw the graph of the function

$$f(x) = \begin{cases} 1 & \text{if } x = 2 \\ 2 & \text{if } x > 2 \\ 3 & \text{if } x < 0 \\ 0 & \text{else} \end{cases}$$

