

- 1. Determine if the graph of f(x) is a function? Justify your answer.
- 2. What is the value of f(-1)?

4. What is the value of x when f(x) = 3

- 3. What is the value of f(0)? -
- 5. What is the value of x when f(x) = -1

6. What are the coordinates of the point where f(x) has and absolute maximum value?

7. What are the coordinates of the point where f(x) has an absolute minimum value? $\begin{pmatrix} 2 & 2 & 1 \\ 2 & 2 & 1 \end{pmatrix}$

8. Is f(x) continuous?

9. On what interval is f(x) constant?

11. On what interval is f(x) decreasing?

12. For what values is f(x) > 0?

13. Find the average rate of change between
$$x = -2$$
 and $x = 1$.

14. For what values is $f(x) \le 0$?

15. Give the x-intercept(s) of f(x).

16. Give the y-intercepts of f(x). (0,-1)

18 What is the range of f(x)? [-1, 3]