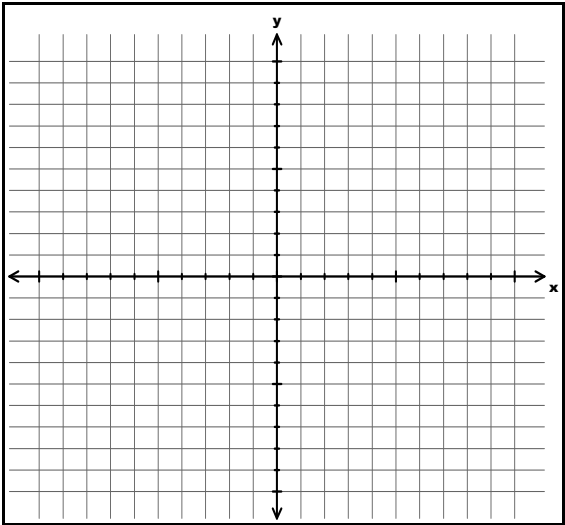


Communicating what we know about: the given function.

| EQUATION | Values | | | | | | | | | | | | | | | | |
|--|--|-----|--------|----|--|----|--|---|--|---|--|---|--|---|--|----|--|
| $f(x) = \begin{cases} -2x - 6, & x \leq -2 \\ 2 - x^2, & -2 < x < 2 \\ 2x - 6, & x \geq 2 \end{cases}$ | <p>Find the following values:</p> <table border="1" data-bbox="966 363 1279 737"> <thead> <tr> <th>x</th> <th>$f(x)$</th> </tr> </thead> <tbody> <tr><td>-5</td><td></td></tr> <tr><td>-2</td><td></td></tr> <tr><td>0</td><td></td></tr> <tr><td>1</td><td></td></tr> <tr><td>2</td><td></td></tr> <tr><td>5</td><td></td></tr> <tr><td>10</td><td></td></tr> </tbody> </table> | x | $f(x)$ | -5 | | -2 | | 0 | | 1 | | 2 | | 5 | | 10 | |
| x | $f(x)$ | | | | | | | | | | | | | | | | |
| -5 | | | | | | | | | | | | | | | | | |
| -2 | | | | | | | | | | | | | | | | | |
| 0 | | | | | | | | | | | | | | | | | |
| 1 | | | | | | | | | | | | | | | | | |
| 2 | | | | | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | |
| GRAPH | COMMUNICATION | | | | | | | | | | | | | | | | |
|  | <p>Answer each question about the given function.</p> <ol style="list-style-type: none"> 1. What is the domain of the function? 2. What is the range of the function? 3. Find the zeroes of the function. | | | | | | | | | | | | | | | | |

EQUATION

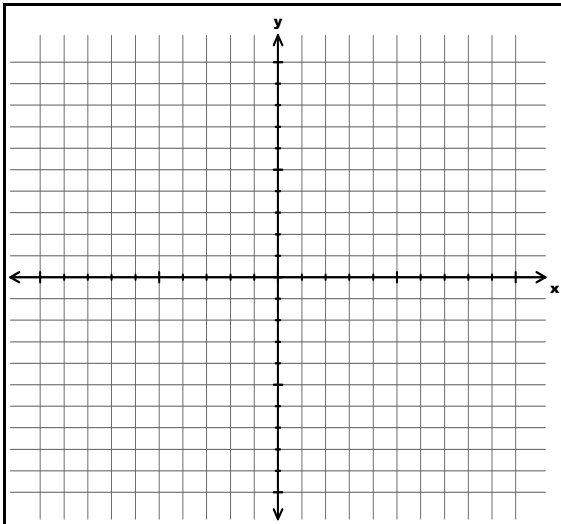
$$f(x) = \begin{cases} x^2 - 1, & x \neq 1 \\ -2, & x = 1 \end{cases}$$

Values

Find the following values:

| x | $f(x)$ |
|-----|--------|
| -5 | |
| -2 | |
| 0 | |
| 1 | |
| 2 | |
| 5 | |
| 10 | |

GRAPH



COMMUNICATION

Answer each question about the given function.

1. What is the domain of the function?
2. What is the range of the function?
3. Find the zeroes of the function.

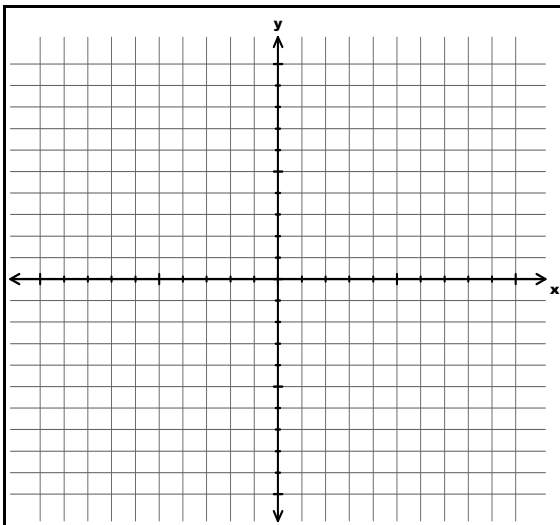
EQUATION

$$f(x) = \text{int}(x - 1)$$

Values

Find the following values:

| x | $f(x)$ |
|----------------|--------|
| -2 | |
| $-\frac{3}{2}$ | |
| -1 | |
| $-\frac{1}{2}$ | |
| 0 | |
| $\frac{1}{2}$ | |
| 1 | |
| $\frac{3}{2}$ | |
| 2 | |

GRAPH**COMMUNICATION**

Answer each question about the given function.

1. What is the domain of the function?

2. What is the range of the function?

