

Analyzing Graphs of Functions and Relations Bell work

1. Complete the following statement.

- a. A point where the graph intersects or meets the x or y axis is called _____.
- b. The zeros of function $f(x)$ are _____ for which $f(x) = 0$

2. Write T for true or F for false

- a. To find the zeros of a function, set the function equal to zero and solve for the independent variable.
- b. If $f(x)$ is an odd function, then the graph is symmetric to the origin.

Multiple Choices

3. The zero of $f(x) = 2x - 4$

- a. $(0, 2)$
- b. $(2, 0)$
- c. $(-4, 0)$

4. Given the function $f(x) = -x^2 + 3x - 5$, what is $f(2)$?

- a. 3
- b. -3
- c. 9

5. The domain of $f(x) = \frac{2}{x-5}$

- a. $(-\infty, 5) \cup (5, \infty)$
- b. $(-\infty, 5)$
- c. $(-\infty, 5] \cup [5, \infty)$