

# Analyzing Graphs of Functions and Relations

 Exit Quiz

## Multiple choices

1. Which of the following is an even function?

a.)  $f(x) = \sqrt{x}$

b.)  $f(x) = \frac{1}{x}$

c.)  $f(x) = |x|$

d.)  $(x - 2)^2$

2. Given that (3, 1) is a point on a graph that is symmetric with respect to the origin, what other point is also on the graph?

a.) (3, 1)

b.) (-3, -1)

c.) (-3, 1)

d.) (3, -1)

3. Complete the chart.

Tests for Symmetry	The graph of a relation is symmetric with respect to the x-axis	The graph of a relation is symmetric with respect to the y-axis	The graph of a relation is symmetric with respect to the origin
(x, y)			

4. Determine whether the following are even, odd, or neither.

a.  $f(x) = 3x^5 - x^3 - x$

b.  $h(y) = 2y^2 - 6y$

# Analyzing Graphs of Functions and Relations Exit Quiz

5. Use the graph of function to approximate its zeros. Then find the zeros of each function algebraically.

$$f(x) = 2x^3 - 3x$$

