

For numbers 1 and 2, state the domain, range, the x-intercept(s), and the intervals on which the function is positive or negative and increasing or decreasing or constant.

1.

Domain: \_\_\_\_\_

Range: \_\_\_\_\_

Zeros/x-intercepts: \_\_\_\_\_

Positive: \_\_\_\_\_

Negative: \_\_\_\_\_

Increasing: \_\_\_\_\_

Decreasing: \_\_\_\_\_

Constant: \_\_\_\_\_

2.

Domain: \_\_\_\_\_

Range: \_\_\_\_\_

Zeros/x-intercepts: \_\_\_\_\_

Positive: \_\_\_\_\_

Negative: \_\_\_\_\_

Increasing: \_\_\_\_\_

Decreasing: \_\_\_\_\_

Constant: \_\_\_\_\_

3. Decide whether the following is discrete or continuous. Then list the domain and range.

Domain: \_\_\_\_\_

Range: \_\_\_\_\_

4. Decide whether the following represents a function. Then list the domain and range.

$\{(-3, 1); (2, 5); (5, 1); (-1, -6); (0, 4)\}$

Domain: \_\_\_\_\_

Range: \_\_\_\_\_

$\{(4, -3); (6, -4); (0, 5); (4, 1); (-2, 7)\}$

Domain: \_\_\_\_\_

Range: \_\_\_\_\_