**Writing rational functions given characteristics:**

1. V.A. – x=\_\_\_\_\_\_\_\_ and x=\_\_\_\_\_\_\_\_
2. V.A. – x=\_\_\_\_\_\_\_\_ and x=\_\_\_\_\_\_\_\_

H.A. – y=\_\_\_\_\_\_\_\_

1. H.A. - y=\_\_\_\_\_\_\_\_ and y-intercept \_\_\_\_\_\_\_\_\_\_\_\_

**Holes:** An open \_\_\_\_\_\_\_\_\_\_\_\_\_\_ on the graph, (x,y). X is found from what \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ after factoring. Y is found by \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ to the \_\_\_\_\_\_\_\_\_\_\_\_\_ equation.

**Domain:** All Reals, except \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ & \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

**Range:** All Reals, except \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

& \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

![[image]]()

1. 

V.A: \_\_\_\_\_\_\_\_\_\_\_\_\_

H.A.: \_\_\_\_\_\_\_\_\_\_\_\_\_

x-int(s).: \_\_\_\_\_\_\_\_\_\_

y-int: \_\_\_\_\_\_\_\_\_\_\_\_\_\_

Hole: \_\_\_\_\_\_\_\_\_\_\_\_\_\_

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

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

x y

1. 

V.A: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

H.A.: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

x-int(s).: \_\_\_\_\_\_\_\_\_\_\_\_\_

y-int: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

x y

Hole: \_\_\_\_\_\_\_\_\_\_\_\_

Domain:

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Range:

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

![[image]]()

1. 

V.A: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

H.A.: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

x-int(s).: \_\_\_\_\_\_\_\_\_\_\_\_\_

y-int: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

x y

Hole: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Domain:

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Range:

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

![[image]]()