**AFM UNIT 4 HW 3**  NAME\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

*Find the vertical asymptotes, horizontal asymptotes, and holes for each function. DO NOT GRAPH.*

1. 2.

VA: \_\_\_\_\_\_\_\_\_\_ VA: \_\_\_\_\_\_\_\_\_\_

HA: \_\_\_\_\_\_\_\_\_\_ HA: \_\_\_\_\_\_\_\_\_\_

HOLE: \_\_\_\_\_\_\_\_ HOLE: \_\_\_\_\_\_\_\_

3. 4.

VA: \_\_\_\_\_\_\_\_\_\_ VA: \_\_\_\_\_\_\_\_\_\_

HA: \_\_\_\_\_\_\_\_\_\_ HA: \_\_\_\_\_\_\_\_\_\_

HOLE: \_\_\_\_\_\_\_\_ HOLE: \_\_\_\_\_\_\_\_

*Find the vertical asymptotes, horizontal asymptotes, and holes for each function. Then graph the function.*

5.

VA: \_\_\_\_\_\_\_\_\_\_

HA: \_\_\_\_\_\_\_\_\_\_

HOLE: \_\_\_\_\_\_\_\_

6.

VA: \_\_\_\_\_\_\_\_\_\_

HA: \_\_\_\_\_\_\_\_\_\_

HOLE: \_\_\_\_\_\_\_\_

7.

VA: \_\_\_\_\_\_\_\_\_\_

HA: \_\_\_\_\_\_\_\_\_\_

HOLE: \_\_\_\_\_\_\_\_

8.

VA: \_\_\_\_\_\_\_\_\_\_

HA: \_\_\_\_\_\_\_\_\_\_

HOLE: \_\_\_\_\_\_\_\_



9.

VA: \_\_\_\_\_\_\_\_\_\_

HA: \_\_\_\_\_\_\_\_\_\_

HOLE: \_\_\_\_\_\_\_\_