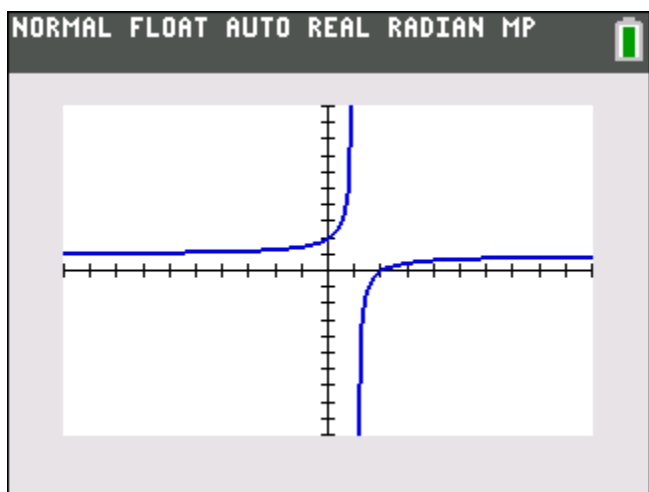


Working Backwards: Write a rational function using the graph.



Write a rational function that would have the given information, then find the exact value of the hole.

1. Hole: $x = -2$
 VA: $x = 4$
 HA: $y = 0$
 SA: none

2. Hole: $x = 3$
 VA: $x = 2, x = -2$
 HA: none
 SA: none

3. Hole: none
 VA: $x = \sqrt{7}, x = -\sqrt{7}$
 HA: $y = 6$
 SA: none

4. Hole: $x = 5$
 VA: $x = -5$
 HA: none
 SA: $y = x + 3$

HW: Create a function that would give you the following:

5. Hole: $x = 3$
 VA: $x = -1$
 HA: $y = 0$
 SA: none

6. Hole: $x = -5$
 VA: $x = 4, x = -4$
 HA: none
 SA: none

7. Hole: none
 VA: $x = \sqrt{3}, x = -\sqrt{3}$
 HA: $y = 2/5$
 SA: none

8. Hole: $x = 4$
 VA: $x = -4$
 HA: none
 SA: $y = x - 4$