

# Homework p.561: 5, 11, 13, 15, 19, 23

**GRAPHING FUNCTIONS** Graph the function. Compare the graph with the graph of  $y = \frac{1}{x}$ .

5.  $y = \frac{-5}{x}$

**GRAPHING FUNCTIONS** Graph the function. State the domain and range.

**\*\*Find the asymptote as well**

11.  $y = \frac{4}{x} + 3$     13.  $y = \frac{6}{x-1}$     15.  $y = \frac{-5}{x} - 7$     19.  $y = \frac{-4}{x+4} + 3$

23. **★ MULTIPLE CHOICE** What are the asymptotes of the graph of  $y = \frac{3}{x+8} - 3$ ?

- (A)  $x = 8, y = 3$     (B)  $x = 8, y = -3$     (C)  $x = -8, y = 3$     (D)  $x = -8, y = -3$