

# 8-2B Practice

## The Reciprocal Function Family

Form G

Sketch the asymptotes and the graph of each function. Identify the domain and range.

7.  $y = \frac{1}{x} + 3$

8.  $y = \frac{3}{4x}$

9.  $y = \frac{3}{x-1} + 2$

Asymptotes

Asymptotes

Asymptotes

Domain

Domain

Domain

Range

Range

Range

Write an equation for the translation of  $y = -\frac{3}{x}$  that has the given asymptotes.

10.  $x = -1; y = 3$

11.  $x = 4; y = -2$

