**8.6 Solve Rational Equations**  Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Example 1**: Solve a rational inequality using a table.

Use a table to solve .

**Example 2**: Solve a rational inequality by graphing

From 1990 to 2001, the number d (in thousands) of doctors in the United States can be modeled by the function  where *t* is the number of years since 1990. When were there fewer than 800,000 doctors?

**Example 3**: Solve a rational inequality algebraically

Solve: 