

LESSON **12-3** **Technology Lab Recording Sheet** p. 873
Graph Rational Functions

Try This

1. Why is $x = 1$ an excluded value for one function but not for the other?

2. Are the functions $\frac{x - 1}{x^2 - 5x + 4}$ and $y = \frac{1}{x - 4}$ truly equivalent for all values of x ?

Explain.

3. **Make a Conjecture** If a value of x is excluded from a function and its simplified form, it appears on the graph as a(n) _____. If a value of x is excluded from a function but not its simplified form, it appears on the graph as a _____.