Algebra 2

7-05 Solving Rational Equations

Solve Rational Equations Only when the ______ is present!!! • Method 1: _____ both sides and _____ multiply . Method 2: 1. _____ both sides by _____ to remove fractions 2. _____ 3. _____ answers $\frac{x}{2x+7} = \frac{x-5}{x-1}$ $\frac{4}{2x} = \frac{5}{x+6}$ $\frac{6x}{x+4} + 4 = \frac{2x+2}{x-1}$

 $\frac{3}{2} + \frac{1}{x} = 2$

Algebra 2 7-05				Name:	
Determine if the inverse of a function is a function					
1.		the function			
2.	If any		_ line touches the graph more than once, then the inverse is _	a function	

Finding Inverse of Rational Functions

1 2	x and y for y				
	$f(x) = \frac{2}{x-4}$. Determine whether the inverse of <i>f</i> is a function. Then find the inverse.				

