

## Notation for Writing in Our Class

"  $\implies$  " means "implies" and is used to attach relationships like equations and inequalities.

"  $\iff$  " means "if and only if." It again is used to attach relationships. It means both the relationships are true when the other is.

"  $=$  " means "equal" and is used to attach equal expressions. It shows two numbers are equal.

Write work (it really is a proof!) with proper notation to find all solutions to  $\frac{1}{x} + \frac{x}{x-3} = \frac{3}{x(x-3)}$ .

Suppose the 6 in the quadratic is changed to 5. How would I solve this new equation?

Write work with proper notation to simplify  $\frac{\frac{1}{x+h} - \frac{1}{x}}{h}$ .