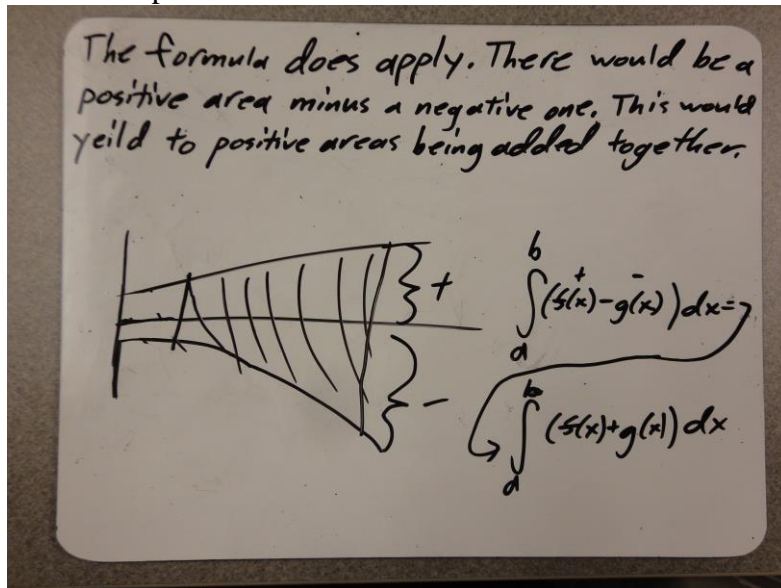
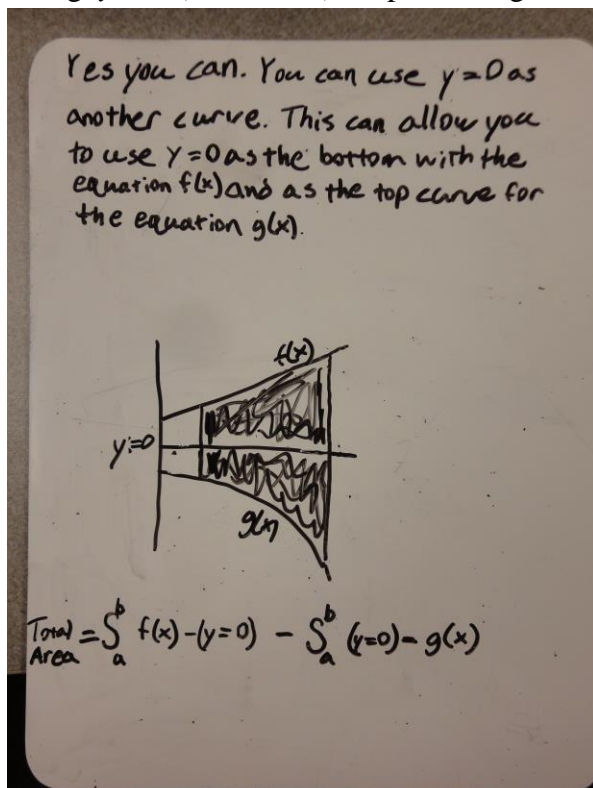


Area Between Curves

Nice description here:



Using $y = 0$ (the x -axis) to split the region into two areas:



Regardless of where the region may be (any quadrant, dipping below the x -axis, etc.), the “top minus bottom” model calculates the bounded area shown.