

Review for Volume Test

Find the volume of the following:

1)	$y = \sqrt{x}$	$x = 0$	$x = 3$	Revolve around x-axis
2)	$y = x^2$	$y = 4$	$x \geq 0$	Revolve around x-axis
3)	$y = x^3 + 1$	$x = 0$	$x = 2$	Revolve around y-axis
4)	$Y = \sqrt{x}$	$y = x^2$	You find interval	Revolve around y-axis

Find the area between these two curves:

5) $y = x + 6$ $y = x^3$ if $x \geq 0$