

Write the equation of the radical function.



Describe each graph as compared to the parent graph $y = \sqrt{x}$.

$11] y = -8\sqrt{x+10} - 32$	12] $y = 0.25\sqrt{-x+5} + 2.5$	
The graph of this function has been	The graph of this function has been	
translated 32 units and translated	translated 2.5 units and translated	
units to the It has been	units to the It has been	
in the by	in theaxis and vertically	
a factor of It has an endpoint at and	by a factor of It has an	
is from left to right. The	endpoint at and is	
function has a domain of and a	from left to right. The	
range of	function has a domain of and a	
	range of	

Write the equation that meets the given description. Show all work.

13] A radical function that has an endpoint at the origin and passes through the point (-16, 3).	14] A radical function that has a domain of $x \ge -4$ and a range of $y \le 8$ and was vertically stretched by a factor of 9.	15] A radical function that has a domain of $x \le 0$ and a range of $y \le -5$ that passes through the point (-9, -23).