










Worksheet on Square Root Functions (V1)

Equation	Basic Shape	"vertex"	Value of a	Up/Down	Left/Right	Final Shape
$y = \sqrt{x-5} + 4$						
$y = -\sqrt{6-x} - 4$						
$y = 2 + \sqrt{3-x}$						
$y = \sqrt{x-7}$						
$y = -3\sqrt{x-6} + 1$						

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Equation	Basic Shape	"vertex"	Value of a	Up/Down	Left/Right	Final Shape
$y = \sqrt{x-5} + 4$		$(5, 4)$	1	U	R	
$y = -\sqrt{6-x} - 4$		$(6, -4)$	-1	D	L	
$y = 2 + \sqrt{3-x}$		$(3, 2)$	1	U	L	
$y = \sqrt{x-7}$		$(7, 0)$	1	U	R	
$y = -3\sqrt{x-6} + 1$		$(6, 1)$	-3	D	R	