

- Sketch the graph of $g(x) = \sqrt{2x} + 1$.

THE graph IS THE graph OF $y = \sqrt{x}$

① HORIZONTALLY COMPRESSED AND

② SHIFTED UP 1 unit.

LET'S PLOT A FEW POINTS TO GET THE
CORRECT SCALE.

x	$y = g(x)$
0	1
2	3
$\frac{9}{2}$	4
8	5
$\frac{1}{2}$	2

