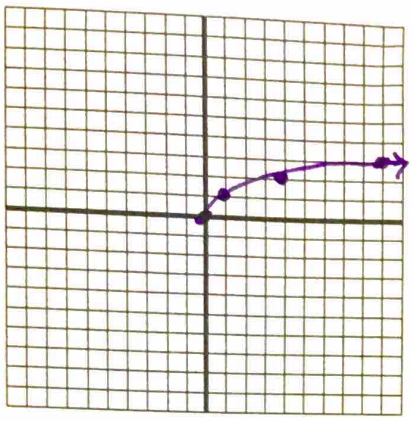
Day 02 Graphing Square Root Functions Practice

Name Master E

Date: _____ Block _____

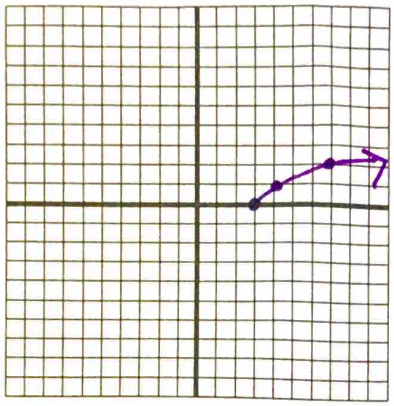
1-9: Graph each function and state its domain and range.

1. $y = \sqrt{x}$



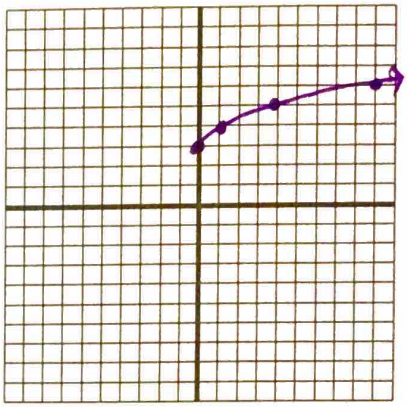
D: $[0, \infty)$ R: $[0, \infty)$

2. $y = \sqrt{x-3}$



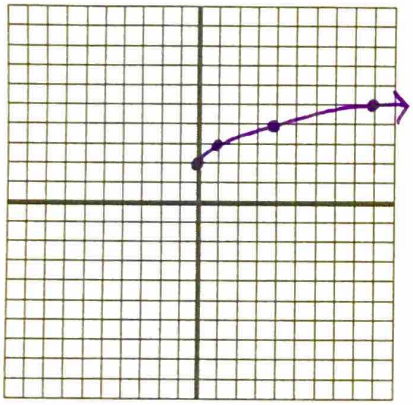
D: $[3, \infty)$ R: $[0, \infty)$

3. $y = \sqrt{x}+3$



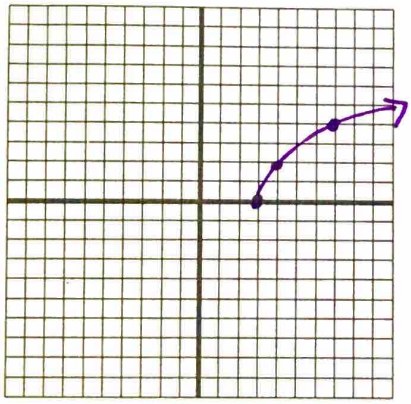
D: $[0, \infty)$ R: $[3, \infty)$

4. $y = -\sqrt{x}+2$



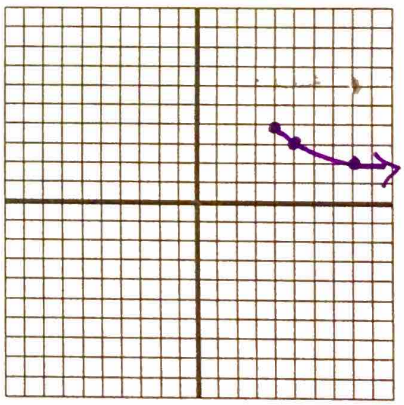
D: $[0, \infty)$ R: $[2, \infty)$

5. $y = 2\sqrt{x-3}$



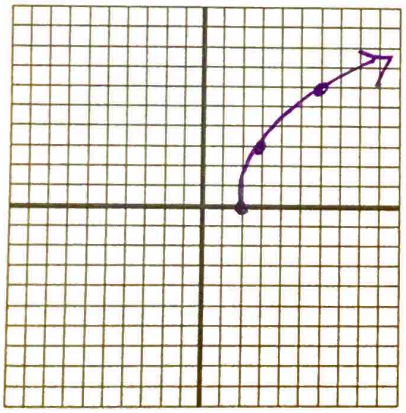
D: $[3, \infty)$ R: $[0, \infty)$

6. $y = -\sqrt{x-4}+4$



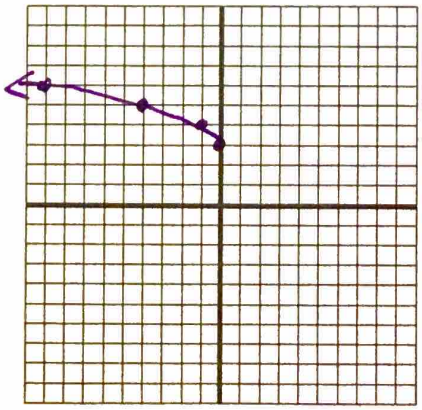
D: $[4, \infty)$ R: $(-\infty, 4]$

7. $f(x) = 3\sqrt{x-2}$



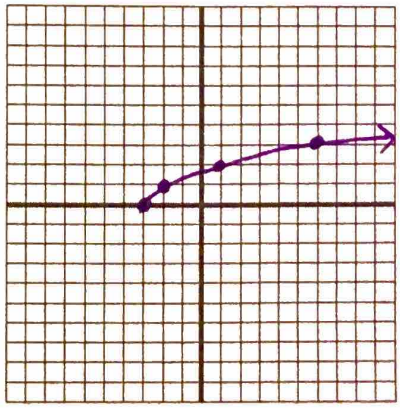
D: $[2, \infty)$ R: $[0, \infty)$

8. $y = \sqrt{-x}+3$



D: $(-\infty, 0]$ R: $[3, \infty)$

9. $y = \sqrt{x+3}$



D: $[-3, \infty)$ R: $[0, \infty)$