

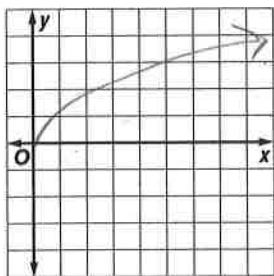
7-9

Skills Practice

Square Root Functions and Inequalities

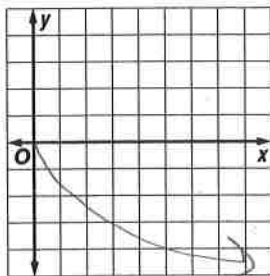
Graph each function. State the domain and range of each function.

1. $y = \sqrt{2x}$



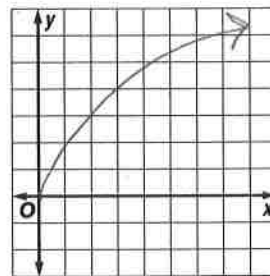
D: $x \geq 0$, R: $y \geq 0$

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



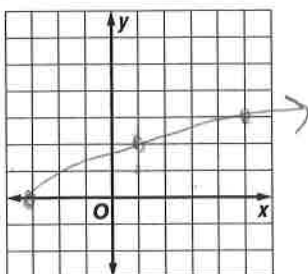
D: $x \geq 0$, R: $y \leq 0$

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



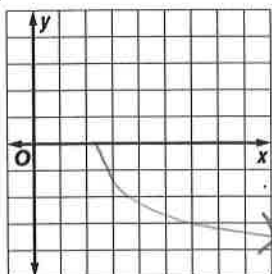
D: $x \geq 0$
R: $y \geq 0$

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



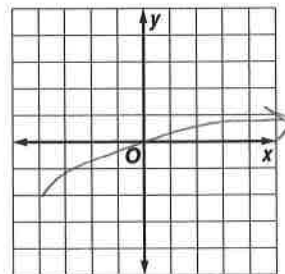
D: $x \geq -3$
R: $y \geq 0$

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



D: $x \geq 2.5$
R: $y \leq 0$

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

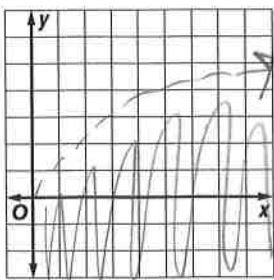


D: $x \geq -4$
R: $y \geq -2$

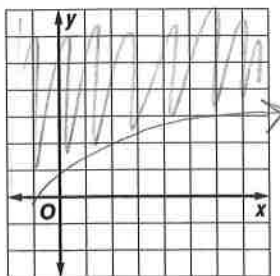
$x+4 \geq 0$
 $x \geq -4$

Graph each inequality.

7. $y < \sqrt{4x}$



8. $y \geq \sqrt{x+1}$



9. $y \leq \sqrt{4x-3}$

