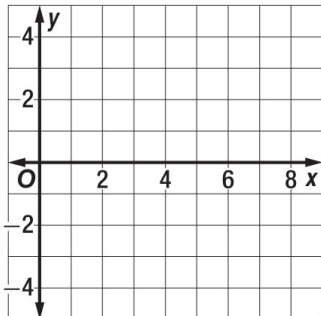


6-3 Skills Practice

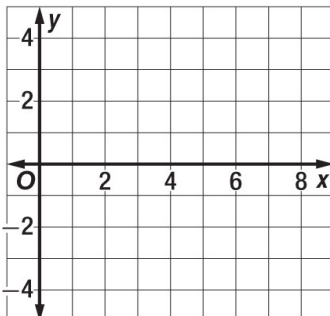
Square Root Functions and Inequalities

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

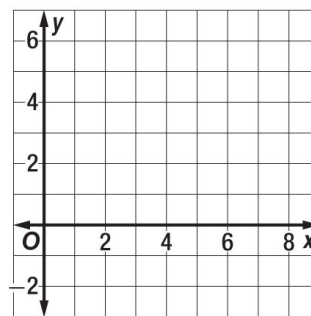
1. $y = \sqrt{x} + 3$



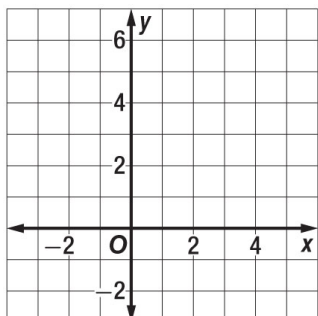
2. $y = -\sqrt{x-2}$



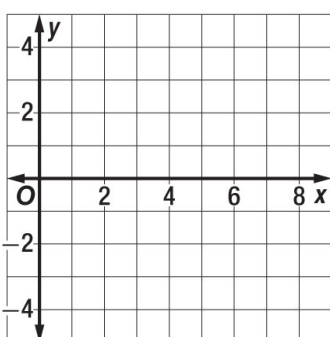
3. $y = 2\sqrt{x}$



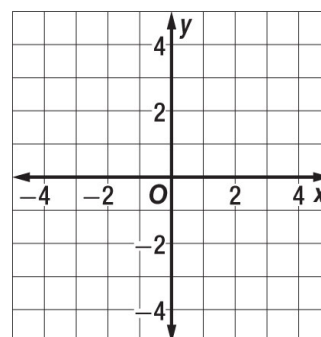
4. $y = \sqrt{x+3}$



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

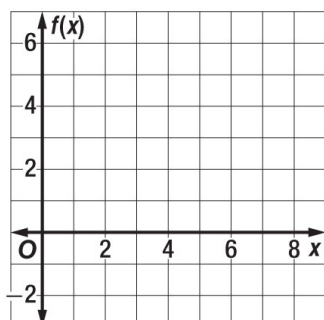


6. $y = \sqrt{x+4} - 2$

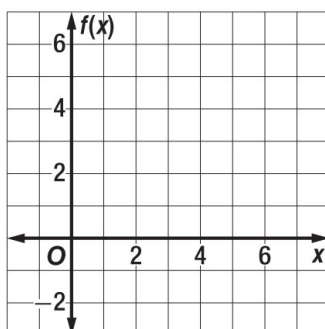


Graph each inequality.

7. $f(x) < \sqrt{x-4} - 2$



8. $f(x) \geq -\frac{1}{2}\sqrt{x+1} + 3$



9. $f(x) \leq 4\sqrt{x-3}$

