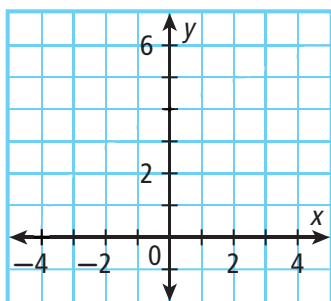


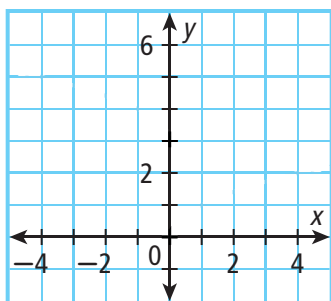
8-7 Radical Functions

Lesson Quiz

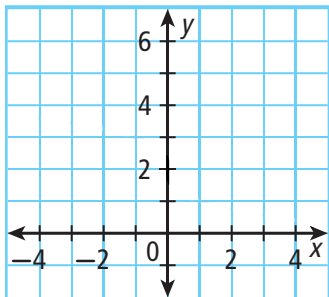
- Graph the function $f(x) = 2\sqrt{x+4}$ and identify its domain and range.



- Using the graph of $f(x) = \sqrt{x}$ as a guide, describe the transformation and graph the function $g(x) = \sqrt{-x} + 3$.



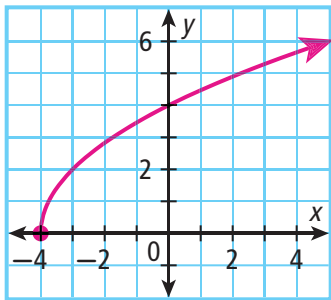
- Graph the inequality $y \geq -\sqrt[3]{x} + 2$.



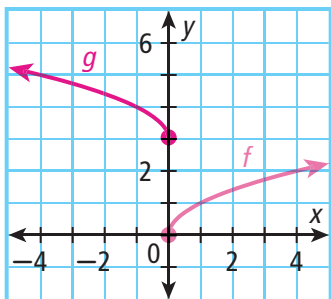
8-7 Radical Functions

Lesson Quiz

1. Graph the function $f(x) = 2\sqrt{x+4}$ and identify its domain and range. **D: $\{x \mid x \geq -4\}$; R: $\{y \mid y \geq 0\}$**



2. Using the graph of $f(x) = \sqrt{x}$ as a guide, describe the transformation and graph the function $g(x) = \sqrt{-x} + 3$.
 g is f reflected across the y -axis and translated 3 units up.



3. Graph the inequality $y \geq -\sqrt[3]{x} + 2$.

