Name _____ Date _____ Class _____

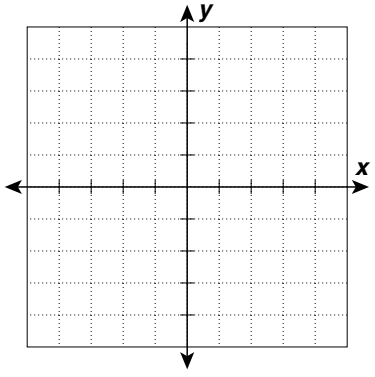
LESSON 11-5

Technology Lab Recording Sheet p. 804

Graph Radical Functions

Try This

1. Graph $f(x) = \sqrt{x + 3}$ without using a graphing calculator. Then graph the same function on a graphing calculator and compare.



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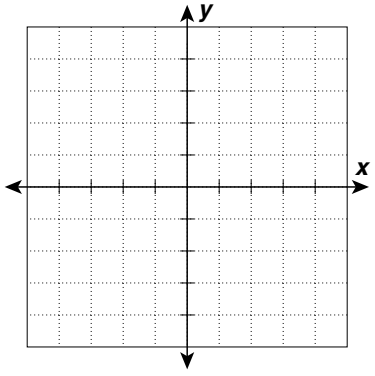
2. Graph $f(x) = \sqrt{x} - 2$ without using a graphing calculator. Then graph the same function on a graphing calculator and compare.



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Name _____ Date _____ Class _____

LESSON 11-5

Technology Lab Recording Sheet

Graph Radical Functions continued

3. **Make a Conjecture** How do you think the graph of $f(x) = \sqrt{x + 1} + 4$ compares to the graph of $f(x) = \sqrt{x}$? Use a graphing calculator to check your conjecture.

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Graph:

4. **Make a Conjecture** How do you think the graph of $f(x) = 2\sqrt{x}$ compares to the graph of $f(x) = \sqrt{x}$? Use a graphing calculator to check your conjecture.

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Graph: