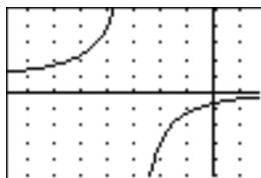
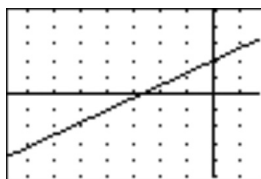


## SECTION 7.4

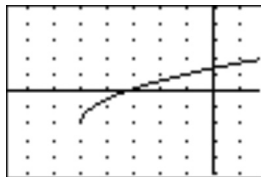
1. What is the domain of the function  $y = \sqrt{2x - 3}$ ? Write your answer in interval notation.
2. What is the domain of the function  $y = \sqrt[3]{x + 4}$ ? Write your answer in interval notation.
3. What is the domain of the function  $y = \sqrt[3]{x - 1}$ ? Write your answer in interval notation.
4. What is the domain of the function  $y = \sqrt{3x + 4}$ ? Write your answer in interval notation.
5. Classify  $y = x^{1/2}$  as linear, rational, radical, or none. Explain your choice.
6. Classify  $y = \frac{5x^2 - 1}{x + 3}$  as linear, rational, radical, or none. Explain your choice.
7. Classify  $y = \frac{1}{2}x + 6$  as linear, rational, radical, or none. Explain your choice.
8. Classify  $y = 4x^{2/3}$  as linear, rational, radical, or none. Explain your choice.
9. Is this graph the graph of a linear, rational, square root, or cube root function? Explain your choice.



10. Is this graph the graph of a linear, rational, square root, or cube root function? Explain your choice.



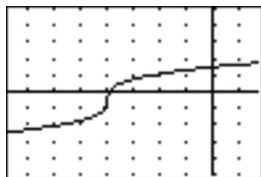
11. Is this graph the graph of a linear, rational, square root, or cube root function? Explain your choice.



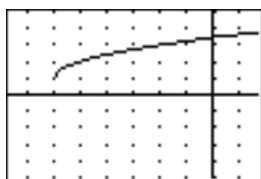
12. Is this graph the graph of a linear, rational, square root, or cube root function? Explain your choice.



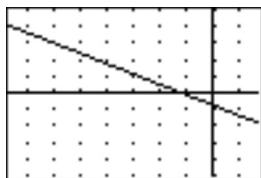
13. Is this graph the graph of a linear, rational, square root, or cube root function? Explain your choice.



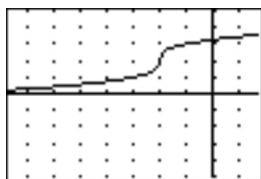
14. Is this graph the graph of a linear, rational, square root, or cube root function? Explain your choice.



15. Is this graph the graph of a linear, rational, square root, or cube root function? Explain your choice.



16. Is this graph the graph of a linear, rational, square root, or cube root function? Explain your choice.



17. Is this graph the graph of a linear, rational, square root, or cube root function? Explain your choice.

