**AFM UNIT 2 HW 3 NAME\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

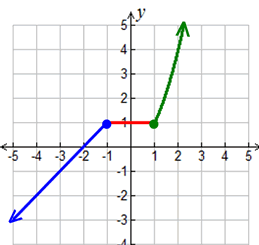
**I. State the domain of the following (find algebraically):**

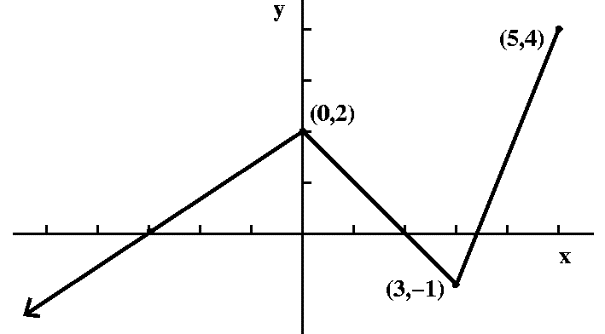
1. 2. 3. 4.

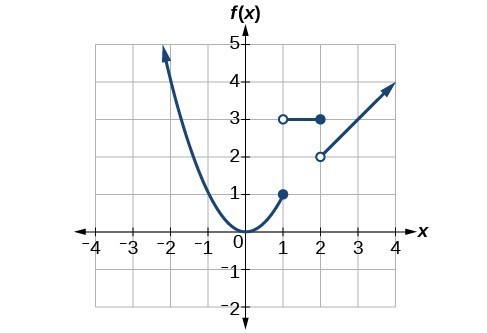
**II. State the range of the following:**

5. 6. 7. 8.

9. 10. 11. 12.

**III. State the intervals on which the graph is increasing, decreasing, and constant.**

13. 14.



15.

**IV. Evaluate the given piecewise functions:**

16. 17.

a. b. a. b.

c. d. c. d.