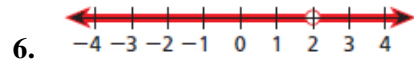
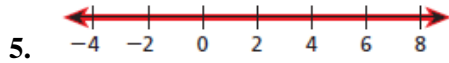
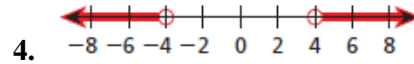
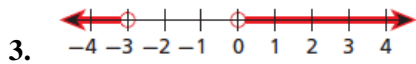
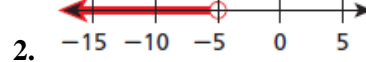


Precal Day 1 Homework: Interval Notation

I. For each number line, write the given set of numbers in interval notation.



II. For each set of numbers, (a) graph the set on a number line, and (b) write the set in interval notation.

7. $x > -4$

8. $x \leq 9$

9. $-10 < x \leq 10$

10. $1 \leq x < 20$ or $x > 30$

11. $x \neq 5$

12. all real numbers

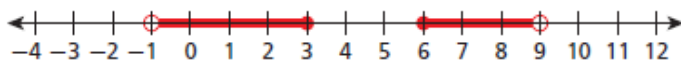
13. $x \neq 4$ and $x \leq 17$

14. $-1 < x \leq 1$ or $x > 4$

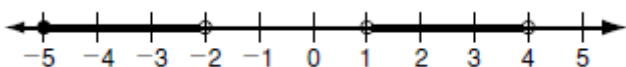
15. all real numbers between 1 and 10, **not** including 1 or 10.

16. all real numbers from -23 to -4 , including -23 but **not** including -4 .

17. Use interval notation to express the set of numbers **NOT** represented on the number line.

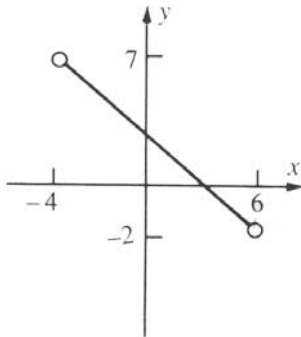


18. Use interval notation to express the set of numbers **NOT** represented on the number line.

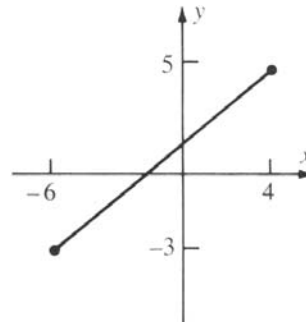


III. Name the domain and range of each relation using interval notation.

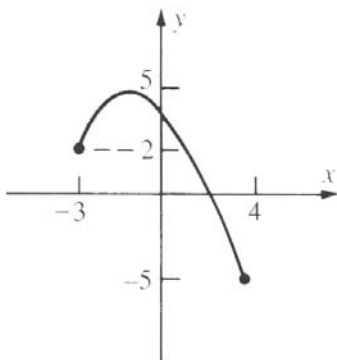
19.



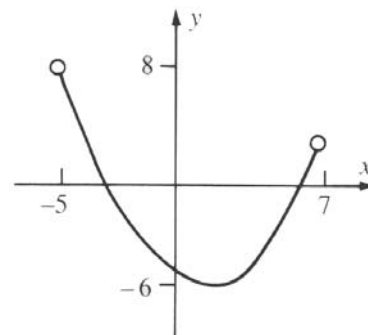
20.



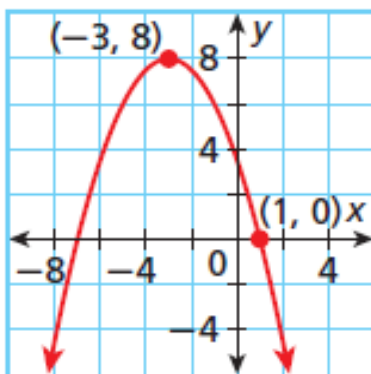
21.



22.



23.



*24.

