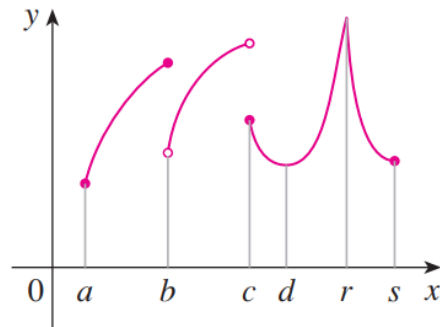# Exercise 4

For each of the numbers a, b, c, d, r, and s, state whether the function whose graph is shown has an absolute maximum or minimum, a local maximum or minimum, or neither a maximum nor a minimum.

Solution

The function has a local maximum at b and r. The function has a local minimum at d. The absolute minimum is at a, and the absolute maximum is at r. There's neither a maximum nor a minimum at c or s. a and s are not local minima because they're at the endpoints.