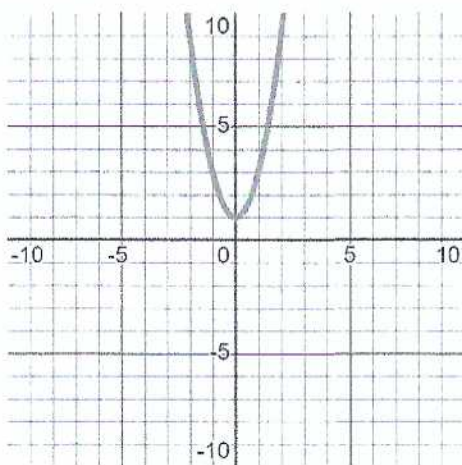# Positive, Negative, Increasing, and Decreasing Functions on Intervals
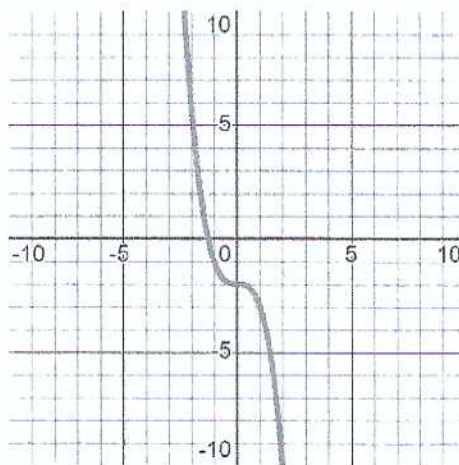
Determine the intervals where the function is increasing and decreasing.

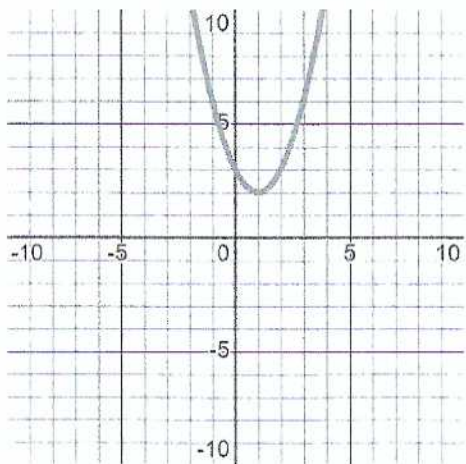*Submit your solution in interval notation.*

1) $2x^2 + 1$

2) $-x^3 - 2$

3) $(x - 1)^2 + 2$

4) $x^3 - 2x^2 - 5$