

## Hwk #3 Interval of Incr &amp; Decr

Date \_\_\_\_\_ Period \_\_\_\_\_

**For each problem, find the open intervals where the function is increasing and decreasing.**

1)  $f(x) = 2x^2 + 4x + 2$

2)  $f(x) = \frac{3}{x+1}$

3)  $f(x) = -x^4 + x^2 + 2$

4)  $f(x) = x^3 - x^2 - 4$