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Hwk #3 Interval of Incr & 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)
$$f(x) = x^3 - x^2 - 4$$