MATH 101-20 (111)
QUIZ # 6

NAME: ..... ID. #: . . . . . .

Q1. Given

$$f(x) = \frac{(x+1)(x-3)}{(x-2)^2}$$
$$f'(x) = \frac{2(5-x)}{(x-2)^3}$$
$$f''(x) = \frac{(4x-26)}{(x-2)^4}$$

find the intervals on which $f(x)$ is increasing, decreasing, concave up, or concave down, also find all local maximum, local minimum, and inflection points.