Find the following for $f(x) = 4(\frac{x+1}{x^2})$ (if they exist; if they don't exist, state so). Use this information to graph f.

- [1.5] 1a.) critical numbers:
- [1.5] 1b.) local maximum(s) occur at $x = \underline{\hspace{1cm}}$
- [1.5] 1c.) local minimum(s) occur at x =
- [1.5] 1d.) The global maximum of f on the interval [-10, -1] is _____ and occurs at x = _____
- [1.5] 1e.) The global minimum of f on the interval [-10, -1] is _____ and occurs at x = _____
- [1.5] 1f.) Inflection point(s) occur at x =
- [1.5] 1g.) f increasing on the intervals
- [1.5] 1h.) f decreasing on the intervals
- [1.5] 1i.) f is concave up on the intervals _____
- [1.5] 1j.) f is concave down on the intervals_____
- [1.5] 1k.) Equation(s) of vertical asymptote(s)______
- [4] 11.) Equation(s) of horizontal and/or slant asymptote(s)_____
- [4.5] 1m.) Graph f

