MATH 161 WORKOUT 16 NAME: _____

[Run: 11/14/2012 at 11:15. Order of Checkable Items: List.]

16-1. Let f be the function specified by the global input-output rule

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

find the local graph of f near ∞.

16-2. Let f be the function specified by the global input-output rule

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

find the local graph of f near ∞.

16-3. Let f be the function specified by the global input-output rule

$$x \xrightarrow{f} f(x) = \frac{-3x^5 + 7x^4 - 2x^2}{x^5 - 5x^4 - 3x^2 + 5x - 1}$$

find the local graph of f near ∞.

16-4. Let f be the function specified by the global input-output rule

$$x \xrightarrow{f} f(x) = \frac{-6x^5 - 2x^2}{x^4 - 2x^3 - 3x^2 + 5x - 4}$$

find the local graph of f near ∞.