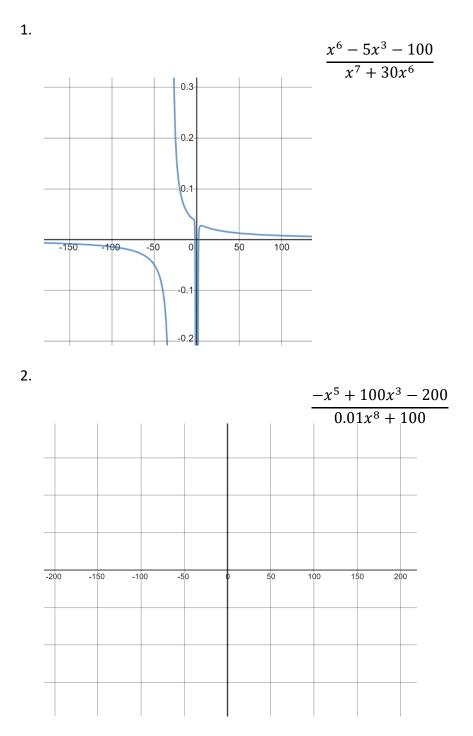
Desmos Asymptote Activity

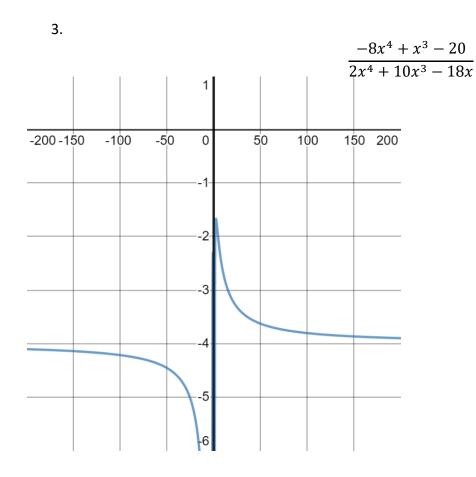
I want you to find the equation to the horizontal and slant asymptotes by using Desmos to graph and compare the rational function to the equation to the asymptote as I showed in class.

Go to:

desmos.com/calculator/rhnw0r4upz

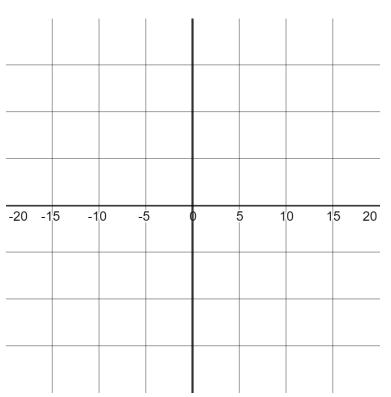
Find the equation to the horizontal/slant asymptote and graph the asymptote along with the graph.

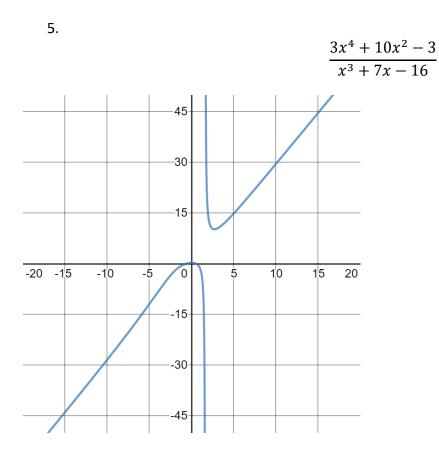




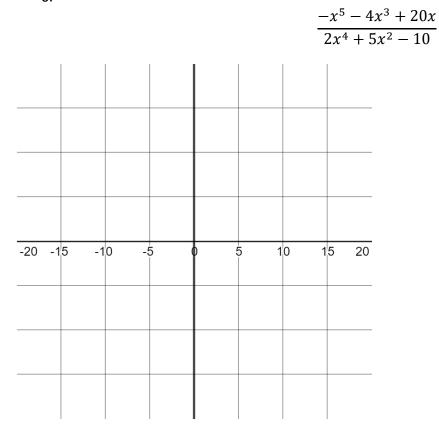
4.

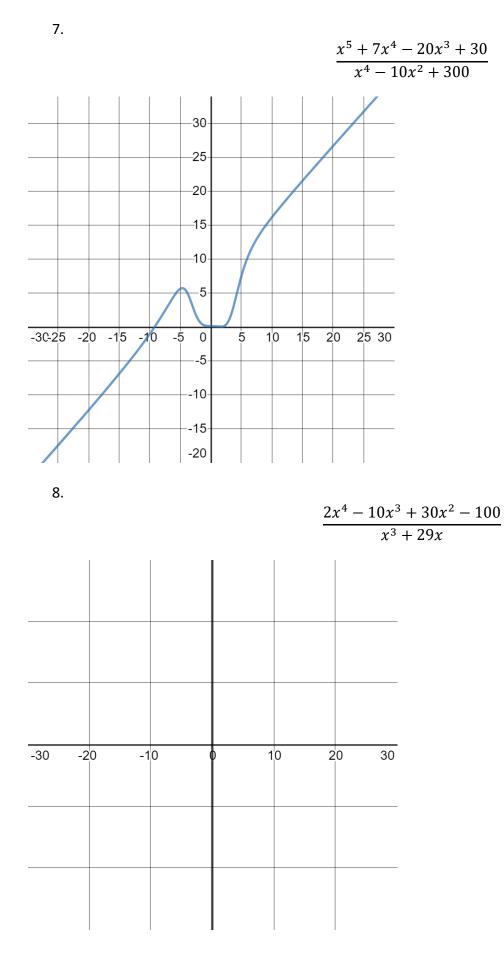
 $\frac{20x^3 - 6x^2 + 15x}{4x^3 - 10x^2 + 1}$

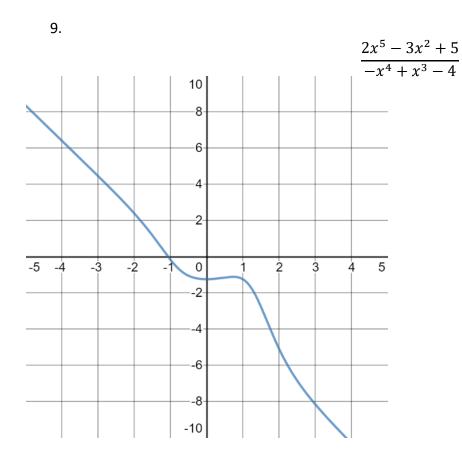




6.

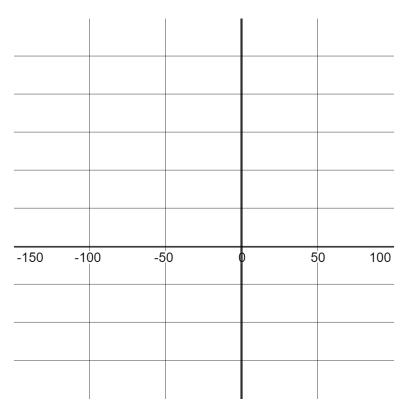






10.

 $\frac{-x^3 + 3x - 10}{3x^2 + 18x - 20}$





-50 -40

-30

-20

-10

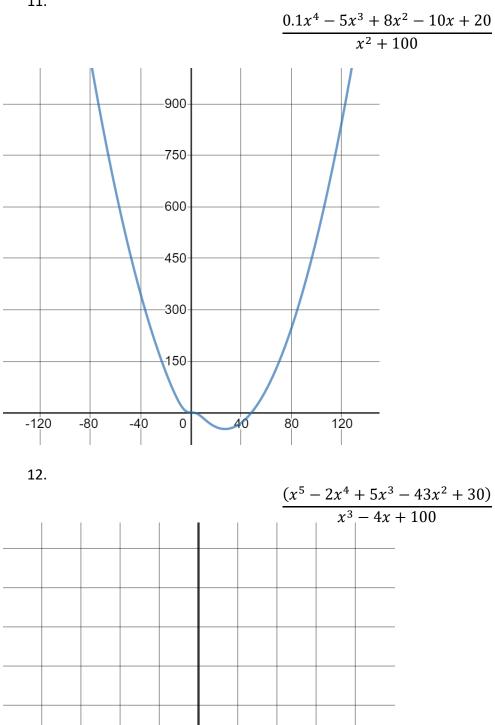
10

b

20

30

40 50



In general, what strategies are you using and what patterns are you noticing? Be as specific as possible.