Math 15 Honors problems – chapter 15: Curve Sketching

For $f(x) = \frac{x^3}{3-x^2}$, find the x and y intercepts, vertical asymptotes, end-behavior, intervals of increasing and decreasing, max/min points, intervals where curve is concave up and concave 1 down, inflection points. Draw the graph.

2	For $f(x) = x\sqrt{9} - x^2$; $-3 \le x \le 3$ find the x and y intercepts, end-behavior, intervals of
	increasing and decreasing, max/min points, intervals where curve is concave up and concave down inflaction points. Draw the graph
	down, inflection points. Draw the graph.
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