

Math 220 - All sections

This curve sketching assignment serves to review the skills of Sec 15-21. Please complete it & bring to class for a desk check on Friday.

For each $f(x)$, give the domain, y -intercept, roots (if possible), end behavior, eqn of vertical and horizontal asymptotes, critical values, local max/min, intervals of increasing and decreasing and concavity. Then - Sketch

1. $f(x) = -3x^3 + x - 4$

2. $f(x) = \ln(x+5)$

3. $f(x) = \frac{3x+1}{x-2}$

4. $f(x) = (1-x)^{2/3}$

5. $f(x) = \frac{1}{x^2+1}$