Daily Agenda

Learning Target:
I can graph rational functions.

Homework
5.3 Day 2 Worksheet

Assessments
Unit 5 Test 12/1

The best way to cheer yourself up is to try to cheer somebody els
-Mark Twain

Nov 15-8:24 PM

What happens when the denominator equals zero?

$f(x)= \frac{a}{0}$ infinitely large, VASY

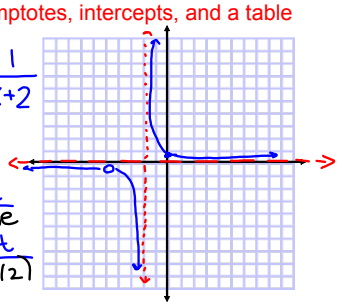
$f(x)= \frac{0}{0}$ indeterminate, RD

Nov 15-8:30 PM

Graph f(x) and include asymptotes, intercepts, and a table of values

$f(x)=\frac{x+5}{x^2+7x+10}$ $(x+5)(x+2)$ $= \frac{1}{x+2}$

RD: $(-5, -1/3)$
VASY $x=-2$
HASY $y=0$
x-int none
y-int $(0, 1/2)$



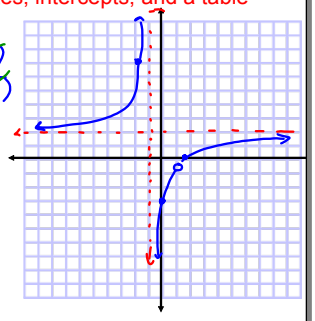
Nov 15-8:30 PM

Graph f(x) and include asymptotes, intercepts, and a table of values

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

RD $(1, -1/2)$
VASY $x=-1$
HASY $y=2$
x-int $(3/2, 0)$
y-int $(0, -3)$

x	y
-2	7



Nov 15-8:30 PM

In Closing . . .

Summarize with your table the difference between a vertical asymptote and a removable discontinuity

Jan 5-7:32 AM