

MAT 121 - College Algebra

Dr. STEVE MILLS

Website -

Classlist - Send E-mail

Syllabus - Online

EDBH 134K

Quiz 1 over $\boxed{S1.1}$, Friday.

S' 1.1 #s 1-8, 11, 15, 21, 27, 29, 35, 37,
41, 45, 47, 49, 51, 57, 63, 65, 69, 73, 75, ~~77~~
83, 85, 93, 104, 105, 107, 109,

Philosophy - Put options in front of you.
Require bare minimum of busywork.

$$\frac{2}{7}x = 10$$

$$\frac{2x}{7} = 10$$

$$\frac{2x}{7} = \frac{10}{1} \cdot \frac{7}{7}$$

$$\frac{2x}{7} = \frac{70}{7}$$

$$2x = 70$$

$$x = 35$$

clear fractions (Meh.)

Aside for the future

$$\frac{(x-2)}{x+1} > 1$$

Clearing Fractions
doesn't cut it for
inequalities

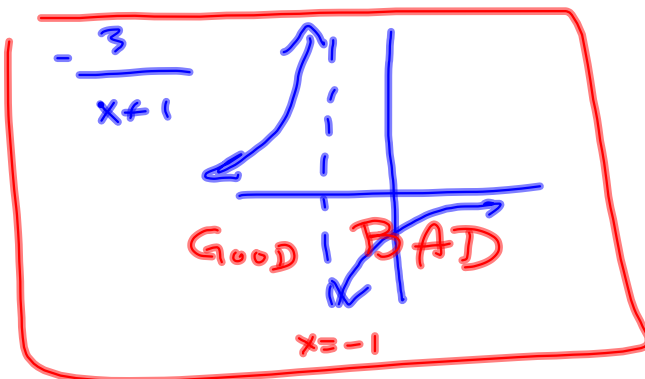
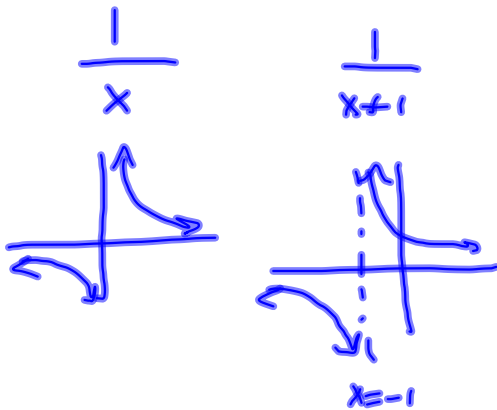
$$\frac{x-2}{x+1} - 1 > 0$$

$$\frac{x-2}{x+1} - \frac{1}{1} \cdot \frac{x+1}{x+1} > 0$$

$$\frac{x-2-(x+1)}{x+1} > 0$$

$$\frac{x-2-x-1}{x+1} > 0$$

$$\frac{-3}{x+1} > 0$$



want $x < -1$
if we want
 $\frac{-3}{x+1} > 0$.