

8/24/Precalc

Math 10054

Precalc & Trig

Contact Info

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Text: Larson

Calculator: None

Grading:

HW 10 — (Calculator OK)  
Cengage WebAssign

Q 10 in class, often

Ex 1 15

Ex 2 15

Ex 3 15

Final 35

dates on  
syllabus

2-430

Thursday, Dec 17

100

$\geq 90$  A

$\geq 80$  B

$\geq 70$  C

## Weekly Planner

HW, quiz solutions exam solutions,  
notes, review sheets

## ~~NE~~ Course Overview

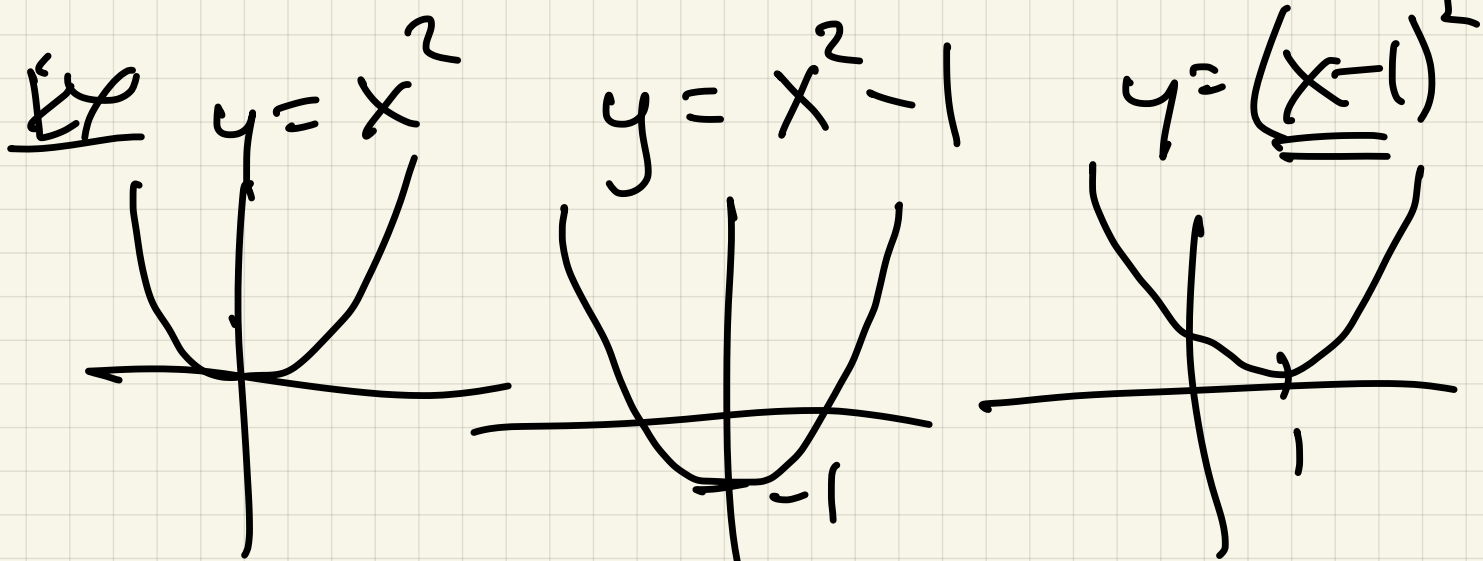
Goal: prepare for Calc I.

Topics: factoring/multiplying

Chapter P: real numbers,  
polynomials, rectangular  
graphs  
coordinates

Chapter 1. Graphs of equations  
linear and quadratic

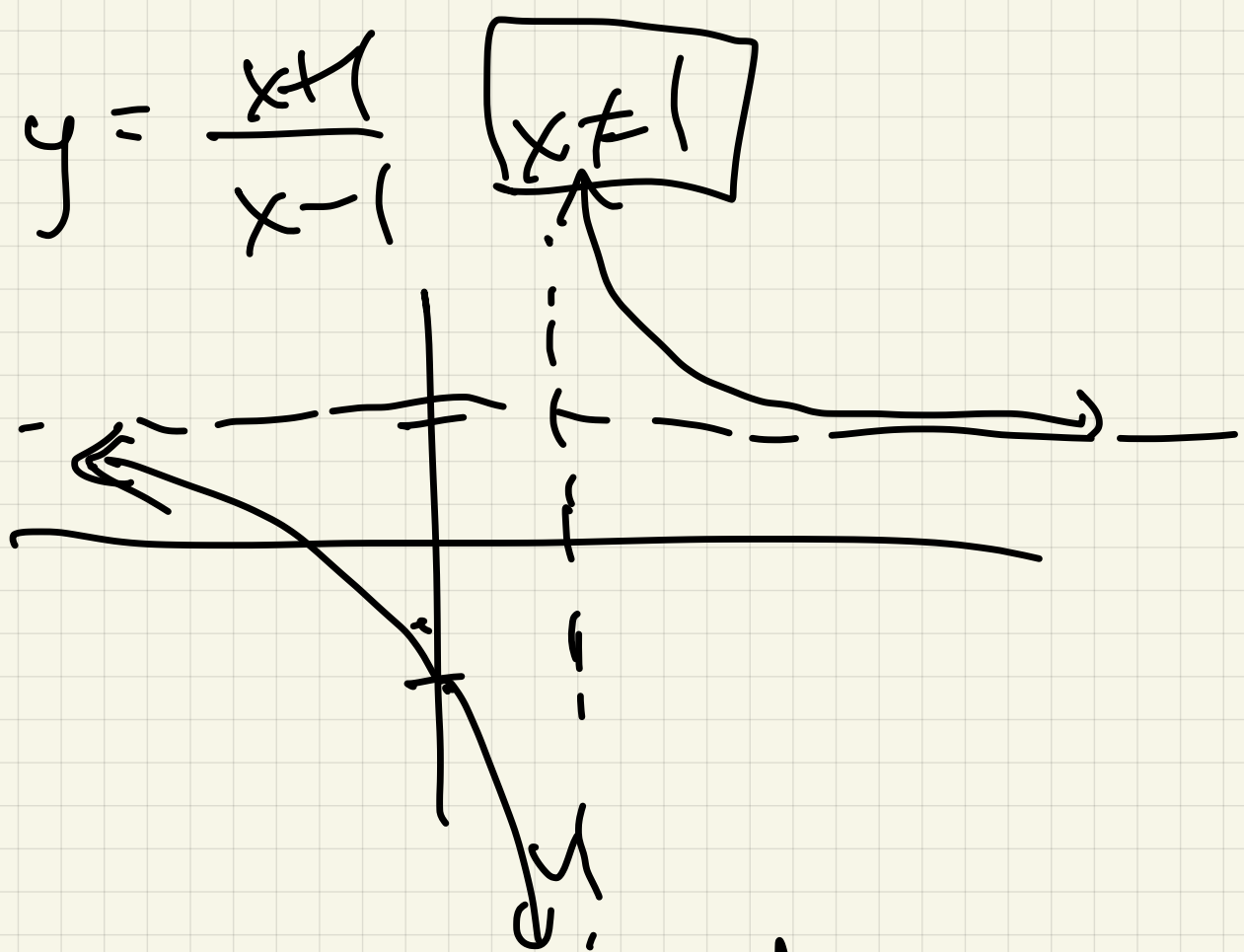
Chapter 2. Familiarity with  
basic functions, transforming



Inverse functions

Chapt. 3 Quadratic functions  $\rightarrow$   
polynomial functions  $y = p(x)$

Chart 4 Graphs of rational  
functions  $r = \frac{p(x)}{q(x)}$



Chap 5 exponential functions,  
logarithm functions

Chap 6 Trigonometry:

Angle measure (~~degrees~~ &  
radian measure)

6 trig functions

$\cos x$   $\sin x$   ~~$\tan x$~~   $\cot x$

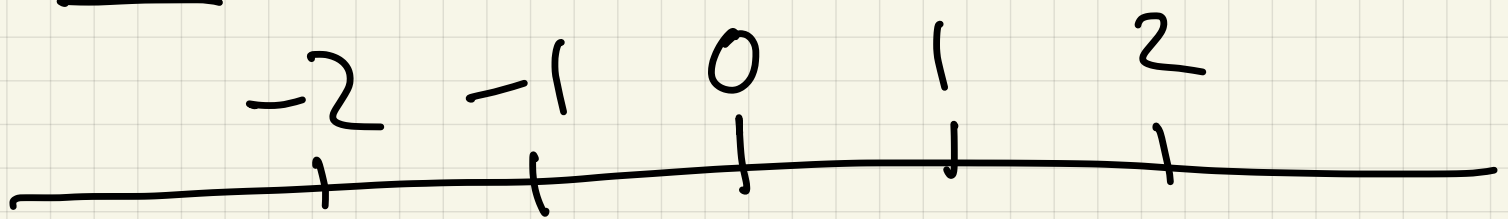
$\sec x$   $\csc x$

inverse trig functions

Ch7 trig identities (Calc 2)

Ch8

§P1 Real numbers  $\mathbb{R}$



Integers  $0, \pm 1, \pm 2, \dots$

$\mathbb{Z}$

Zahlen

Rationals  
 $\mathbb{Q}$

fractions  $\frac{1}{3}$   $\frac{7}{4}$   $-\frac{3}{5}$

$0.33333\ldots$

$1.750000$

$\frac{7}{9} = .7777$

$\frac{8}{11} = .727272\ldots$

Irrationals

$\sqrt{2} \approx .1414\ldots$