

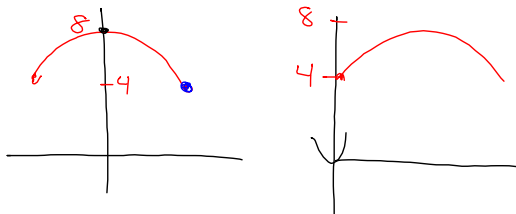
today is a late start day. Just fits.

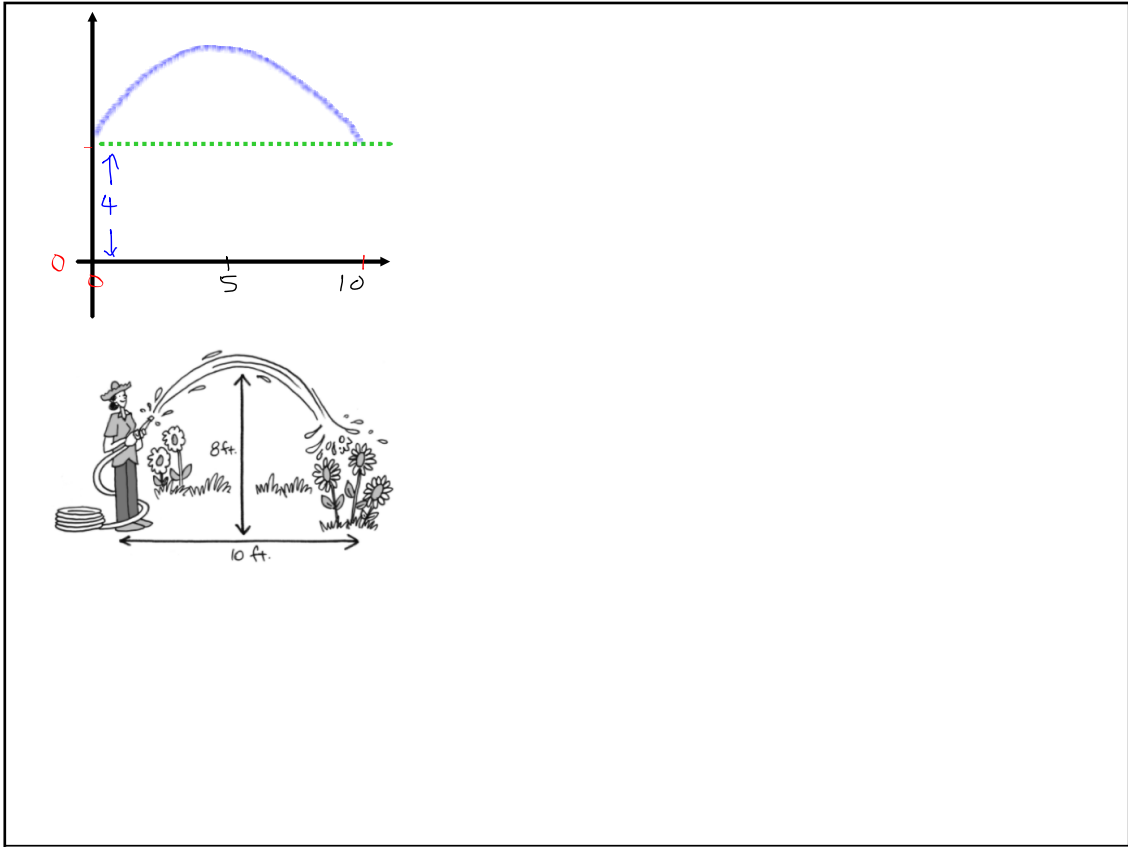
If a regular day, add the back side of the warm up from yesterday which was kind of tight.

Pick Up the....

WARM UP

HW
Questions

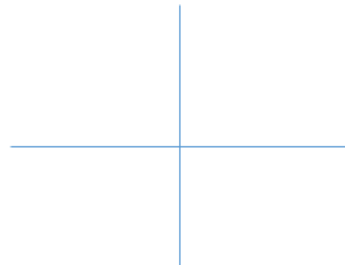
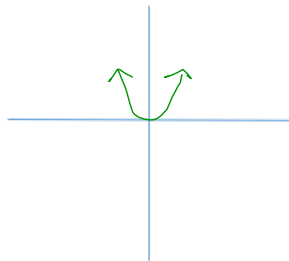




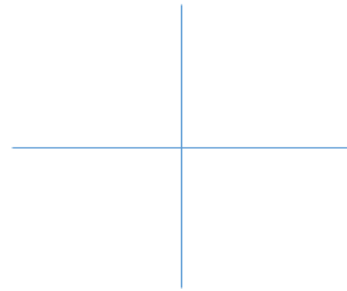
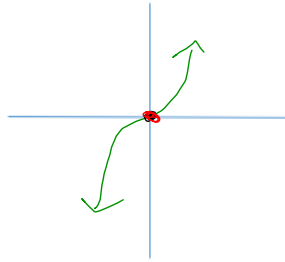
Sketch the transformation $y = (x - 3)^2 - 8$

2.

Sketch $y = x^2$



3. Sketch $y = x^3$ Sketch the transformation $y = (x - 6)^3 - 2$



Next Test

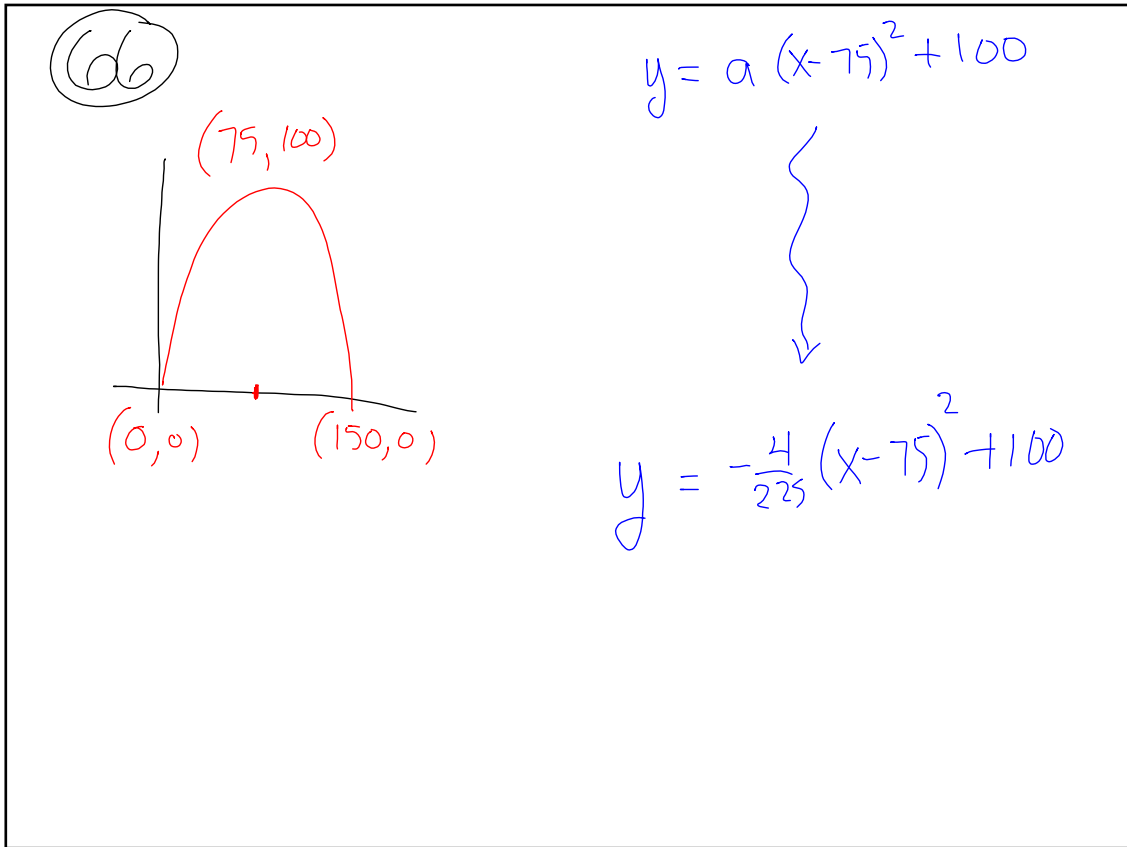
next week

Friday, Feb 23

Ch 1 Test MAX:60.00 PTS:100.00 2/13/2017	Homework (Feb 3 to Feb 8) MAX:40.00 PTS:40.00 2/10/2017	Homework (from Jan 27 to Feb 2) MAX:50.00 PTS:50.00 2/9/2017	LCQ 2 (from recent HW MAX:20.00 PTS:10.00 2/7/2017	LCQ (#1 in Ch. 1) MAX:13.00 PTS:10.00 2/1/2017	H
Tests	Coursework	Coursework	LCQ's	LCQ's	C
38	↓ 9	38	↓ 13 d	11	
27	↓ 0	↓ 14	18.5	13	↓
48	30	↓ 30	14 d	11	↓
45	↓ 14	↓ 20	↓ 10.5 d	9	
41	↓ 10	38	↓ 10 d	11	↓
32	37	45	↓ 13.5 d	11	
14	↓ 9	38	↓ 13	11	↓
52	40	49	19	9	
51	29	38	↓ 12 d	11	
51.5	↓ 18	40	19	12 d	d
40	38	36	19	11 d	↓
43	35	50	↓ 12 d	11	

T 82'
LCQ 80'
CW 77'

HW
Questions



72a

EXponential $y = ab^x$

$(2, 9)$ $(4, 324)$

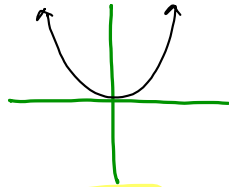
$y = ab^x$ $y = ab^x$

~~$y = mx + b$~~

$$q = ab^2 \quad 324 = ab^4$$



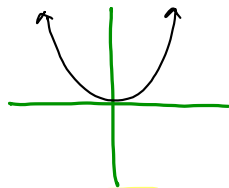
Example of a
Parent Graph



$$y = x^2$$

for a quadratic
function

Example of a
Parent Graph



$$y = x^2$$

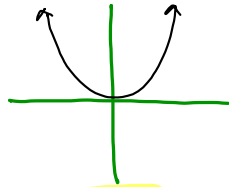
for a quadratic
function

MAKE Transformations

$$y = a(x-h)^2 + k$$

↑ general
equation

Example of a
Parent Graph



$$y = x^2$$

for a quadratic
function

MAKE Transformations

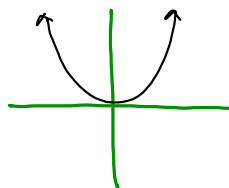
$$y = a(x-h)^2 + k$$

↑ general
equation



$$y = -\frac{1}{2}(x+3)^2 - 7$$

Example of a
Parent Graph



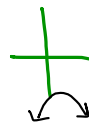
$$y = x^2$$

for a quadratic
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MAKE Transformations

$$y = a(x-h)^2 + k$$

↑ general
equation

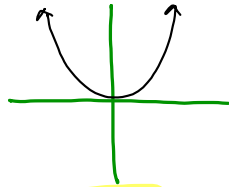


$$y = -\frac{1}{2}(x+3)^2 - 7$$



$$y = (x+4)^2$$

Example of a
Parent Graph



$$y = x^2$$

for a quadratic
function

MAKE Transformations

$$y = a(x-h)^2 + k$$

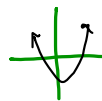
general
equation



$$y = -\frac{1}{2}(x+3)^2 - 7$$



$$y = (x+4)^2$$



$$y = 1.1(x-4)^2 - 5$$

Next Few Lessons
(2.2)

Various New
Parent Functions



Transform
using same techniques

title in Notes

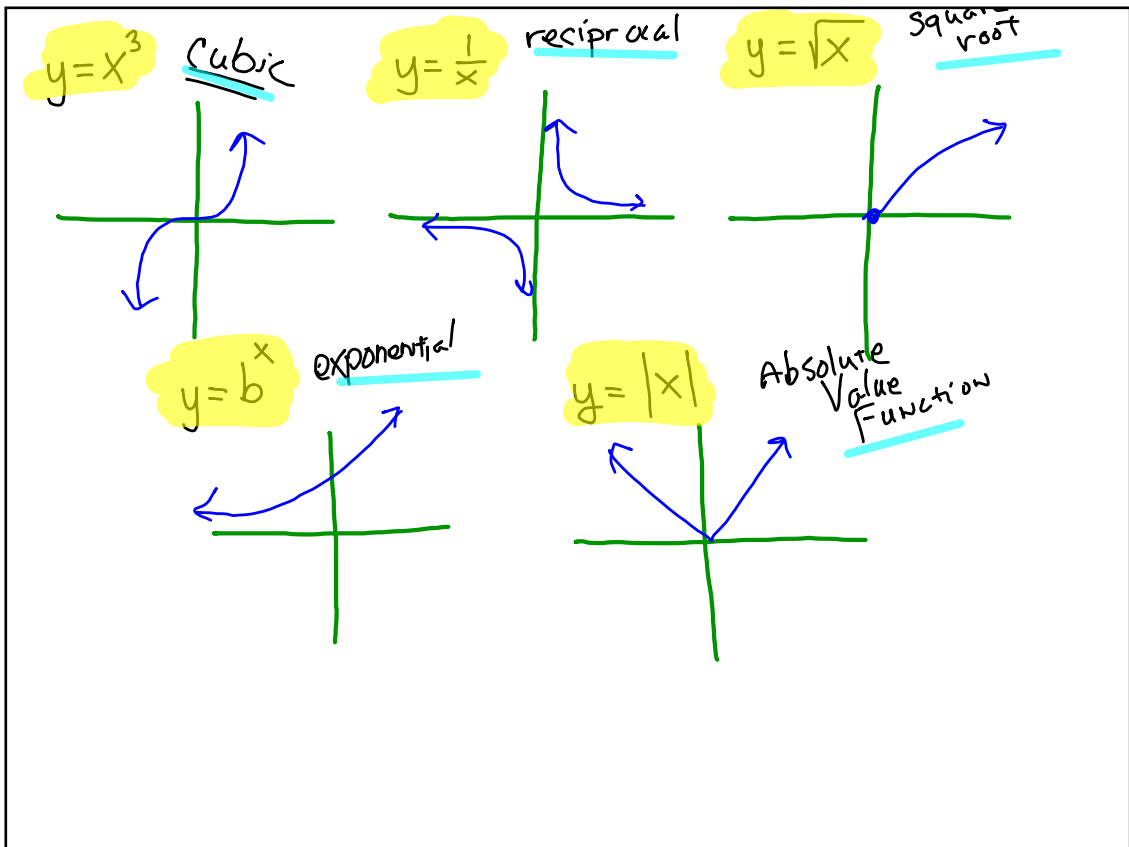
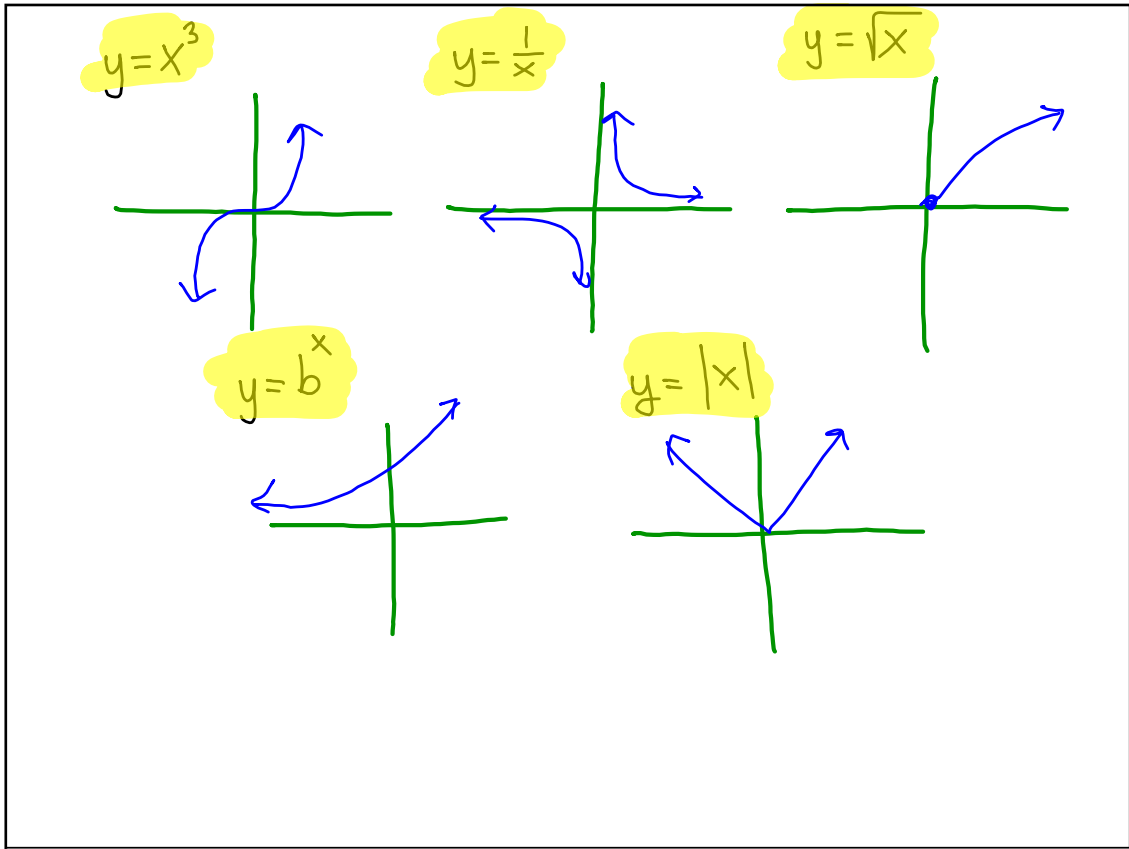
Next Few Lessons (2.2)

Various New Parent Functions → Transform using same techniques

QUICK SKETCH of 5 New Parents

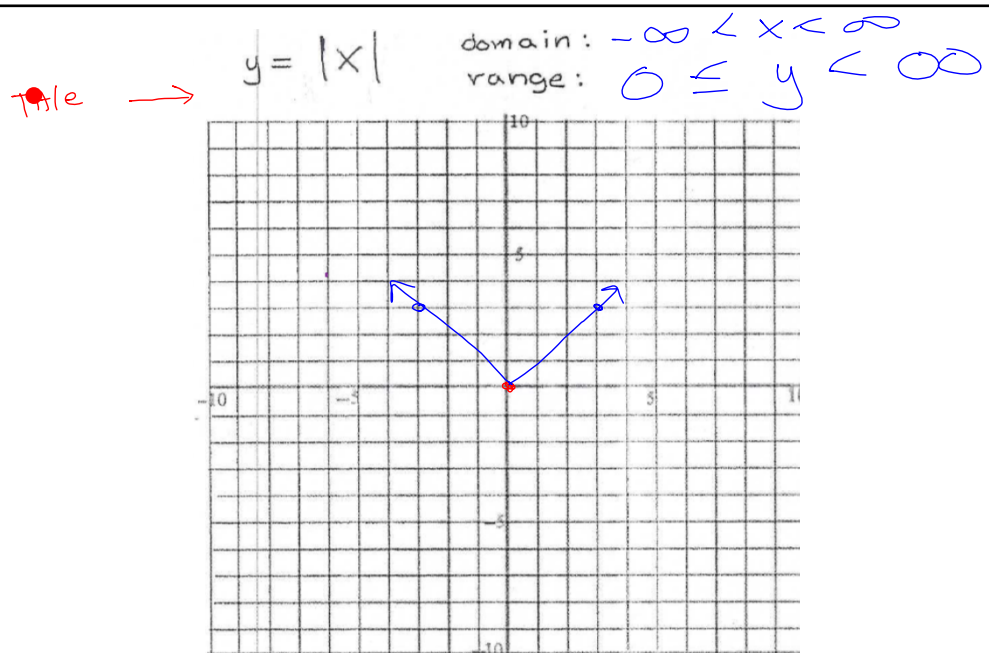
$y = x^3$ $y = \frac{1}{x}$ $y = \sqrt{x}$

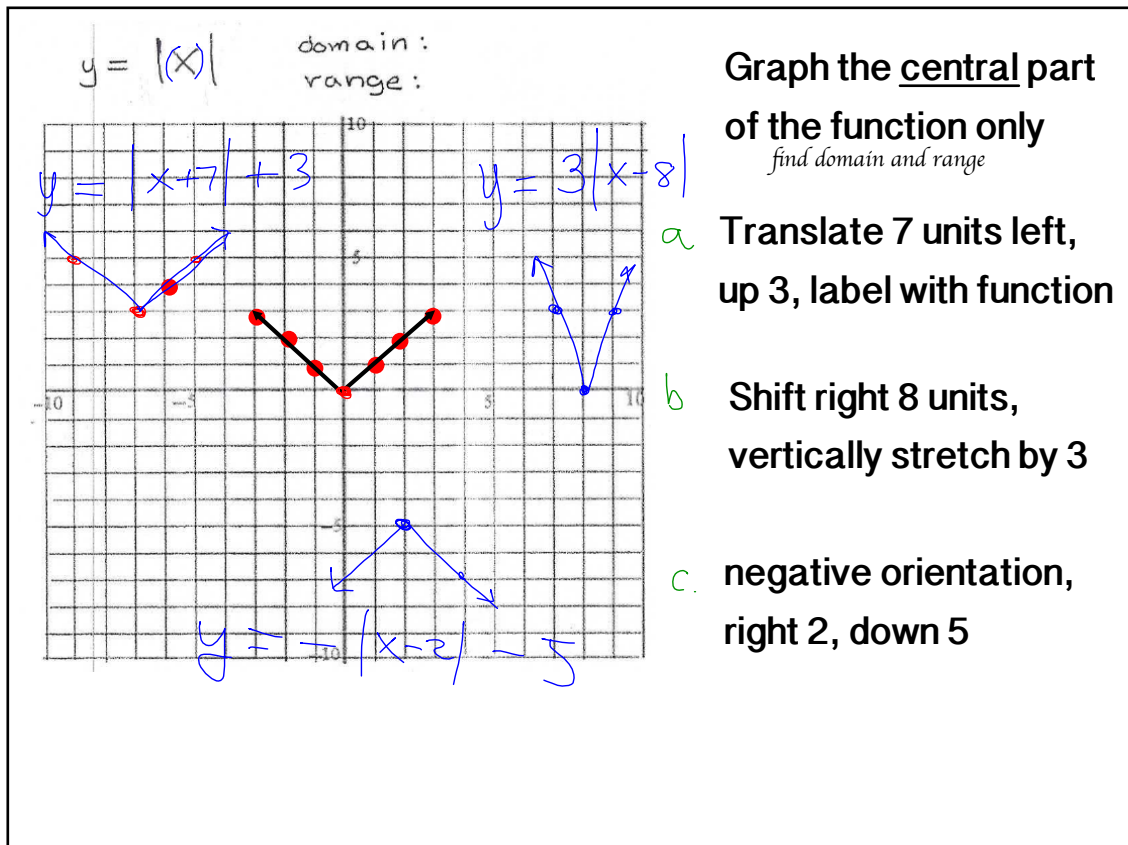
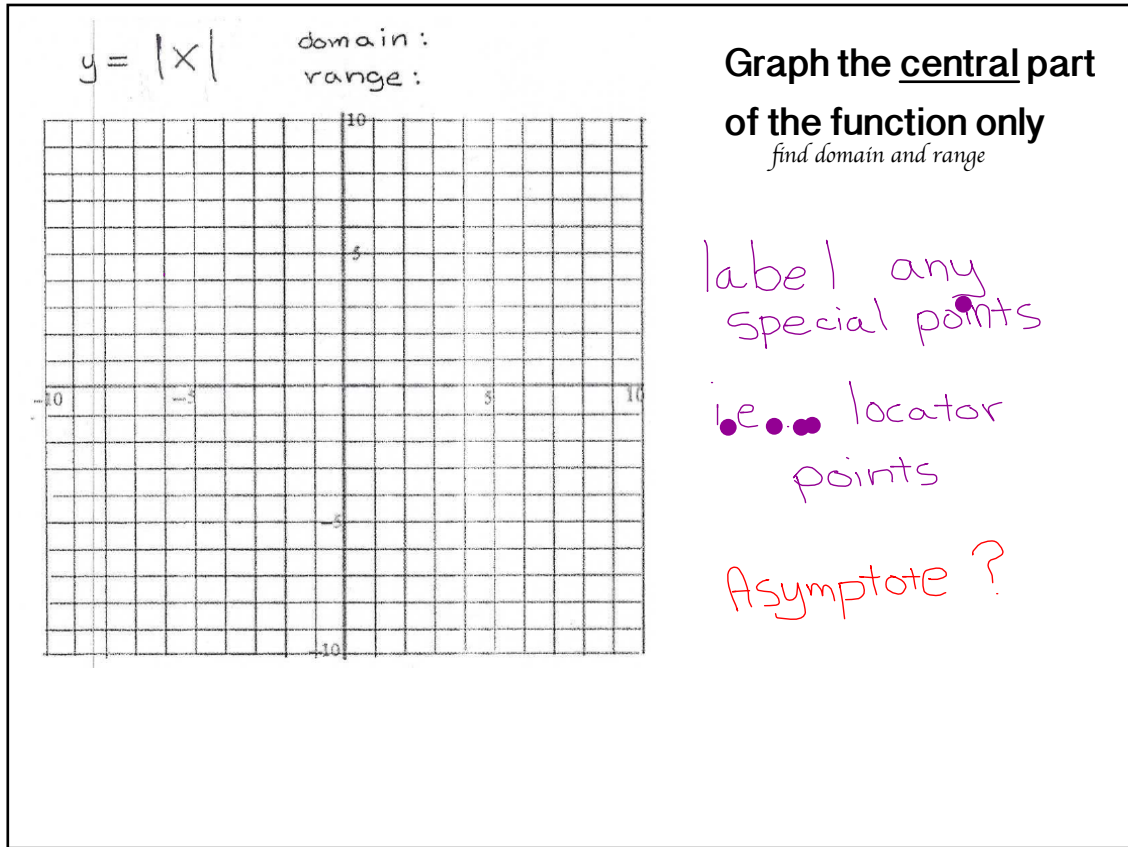
$y = b^x$ $y = |x|$



Today we'll focus
on two of
them

Notes pick up the pre-made
grid paper or use
your own





Can make one darker

- $Y_1 =$ ← experimental function
- $Y_2 = x^3$

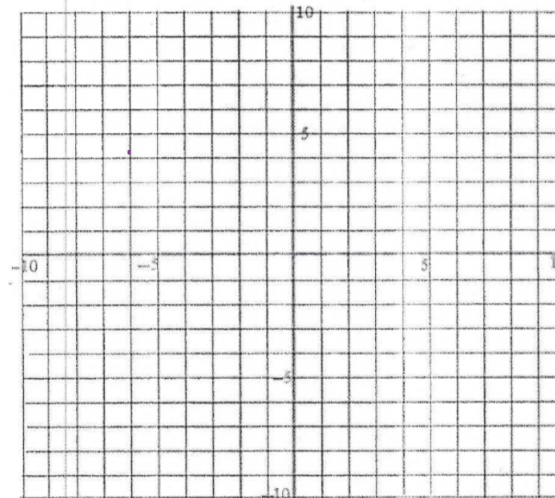
Next
one

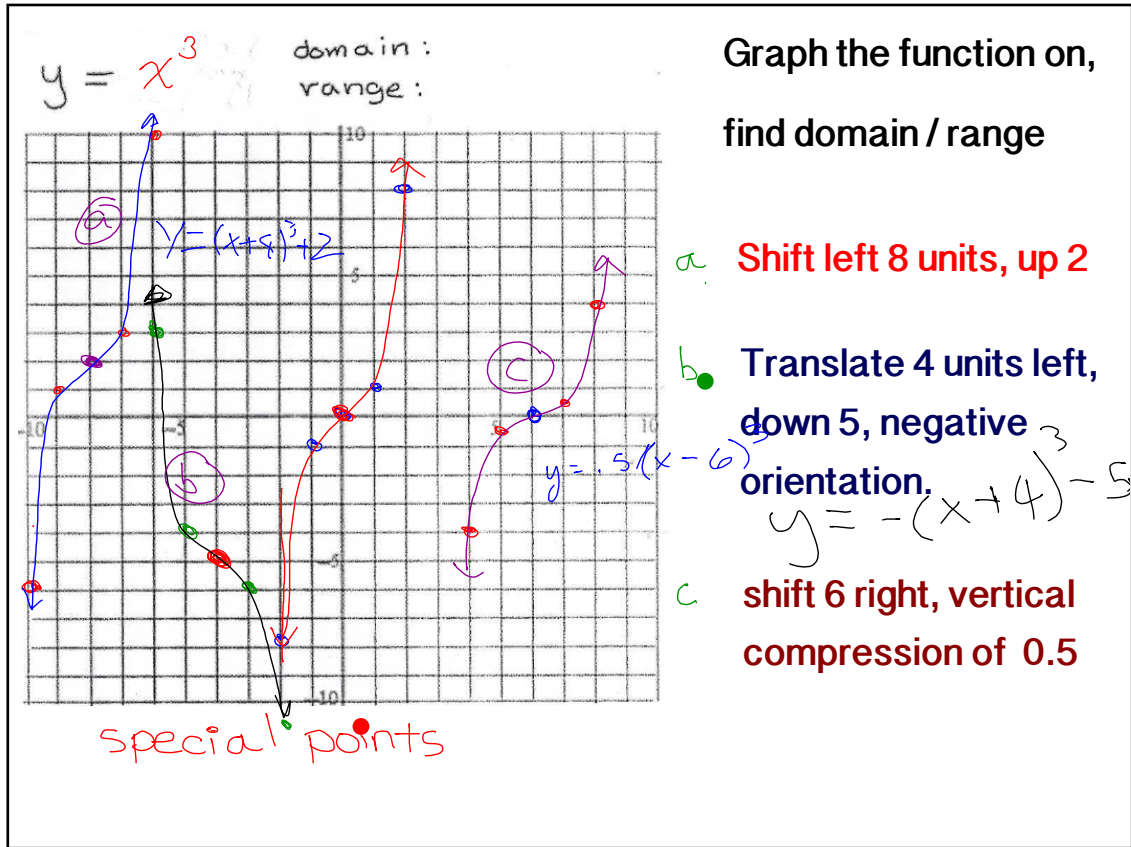
Cubic

$$y = x^3$$

domain:

range:





Assignment

Worksheet 2.2.1 Day 1

