1 Homework Hottone

Let me know right away about any questions you would like to go over.

Ton day where you have more than a few questions, you should come in for help before school.

2 Warm UP (Add to your Hornework) $-\left(\frac{10}{12}\chi^{3}y^{5}\right)\left(\frac{6}{5}\chi^{7}y\right) =$

(2) Warm Up (Add to your Homework) $\frac{1210.23y^{5}}{6.23y} = - \times^{10}y^{6}$ Now add one more $2.60 \times x^{3} = \frac{2}{3}x^{3}$ $\frac{2}{3}x^{4} \times x^{4}$ Now add one more $2.60 \times x^{3} = \frac{2}{3}x^{3}$ $\frac{2}{3}x^{3}$

December 05, 2019

As promised....

Your reference sheet

> - don't lose yours - write your name on it.

period first/last name Algebra 2 - Unit:

- Before class starts, the following should be written on the top of your paper: First/last name, Period, and the complete assignment.
- Once class starts, have your HW visible on top of your desk and the same with this recording sheet. Do not "finish" your assignment in class.
- Using the solutions given to you in class you can edit/correct your homework but you must use ink in a color that clearly stands out from your main work.
- 4. Before the conclusion of HW checking, your score must be written in INK in two places:
 - a) In the upper right-hand corner on your actual HW.
 - b) and in column #4 below.

***Deductions: Minus 5 points every time you do not have your recording sheet in class. Additional points could be deducted for not keeping up with the recording sheet daily.

Follow the guidelines on the front of your recording sheet

After going over today's HW
be sure to use the robric (on the back)
to score your HW

O if you did not do it.

***Deductions: Minus 5 points every time you do not have your recording sheet in class. Additional points could be deducted for not keeping up with the recording sheet daily.

	Day (Mon, Ty, etc)	Date Assigned	HW Description and include Chapter as well as problems Reminder: If you are absent, you are required to check the class website for details before you return.	HW Score from 0 to 4	Explain Special situations
_	T	12/3	Assig #1 (WS)		
V	\vee	2 <i> </i> H	14, 7ad, 8, 18,21		
		/	\mathcal{X}		
		/			

should look like this so far

,		
oped at 60% if after 3 *Deductions:	Totals: _	

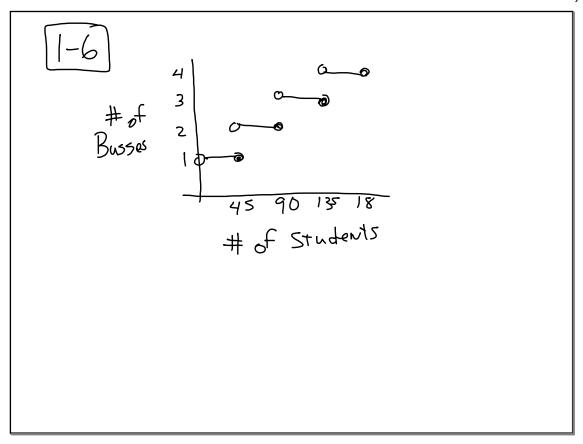
- How the solution "thing" works

- How the solution "thing" works

- Usually I go over a question or two first

- Somedays you might be instructed to
pick up the

k December 05, 2019



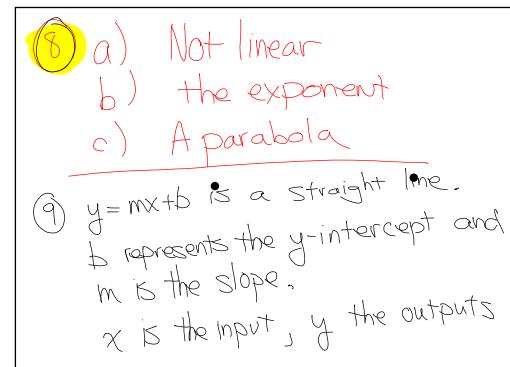
$$g(x) = \sqrt{x-5}$$

$$h(x) = x^2 - 6$$

$$h(6) = 6^2 - 6 = 30$$

$$g(x) = \sqrt{x-5}$$

$$g(30) = \sqrt{30.5} = 7$$



1-8. The graph for part (d) of problem 1-7 is different from the other three graphs. Homework Help

Explain how the graph is different from the other three graphs.

What in the equation of part (d) makes its graph different?

What is the graph of part (d) called?



- When you graph an equation such as y = 3x 5, which variable (the x or the y) depends on the other? Which is not dependent? (That is, which is *in*dependent?) Explain.
- Which variable is *dependent*: temperature or time of 2. day? Which variable is independent?
- 3. Sketch a graph (with appropriately named axes) that shows the relationship between temperature outside and time of day.

21)
$$f(x) = -\frac{3}{3}x + 3$$
 $g(x) = 2x^{2} - 5$

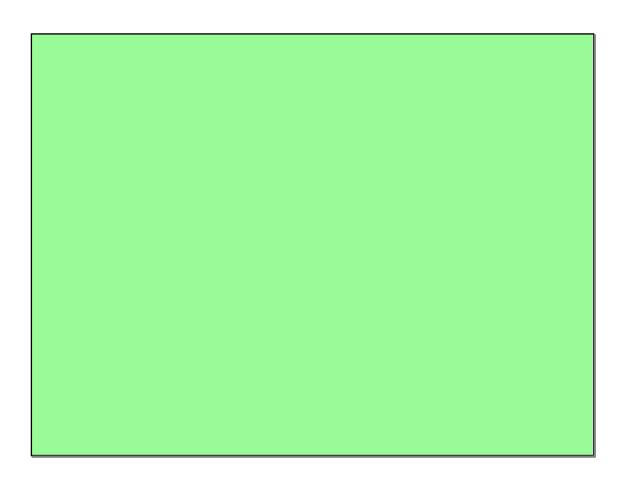
(a)
$$f(3) = -\frac{2}{3}(2) + 3 = 1$$

(a)
$$f(3) = -\frac{2}{3}(\frac{1}{7}) + 3 = 1$$

(d) Solve $g(x) = -7 - \frac{7}{7} - \frac{7}{7} - \frac{7}{7} + \frac{$

$$7d) y = x^2$$





Score	Criteria
4	ALL of these qualities are present: ✓ Most items correct or attempted with fidelity and there is evidence of this. ✓ All assigned problems are completed with fidelity. ✓ Done on time [before class starts] ✓ Neat and legible
3	Has a moderate problem in one of these areas, or has very slight problems in several areas: ✓ Number of errors or some items done without fidelity ✓ Number of incomplete items ✓ Done on time ✓ Neatness/legibility

Fidelity - Doing the problem as intended. It means more than just "attempting". This includes showing steps and work when appropriate. This includes using good terminology and notation.

The spirit of *Fidelity*: I want students who produce some errors to still score well if those errors are the result of misunderstanding or small mistakes, not because they ignored directions or rushed through the assignment.

Has a problem in more than two areas, or a problem in one area so significant, it reduces the quality of the whole task. It is obvous there was minimal effort ✓ Number of errors or items done without fidelity ✓ Number of incomplete items ✓ Done on time ✓ Neatness/legibility	2	Has a noticeable problem in two areas, or has a mix of problems in several areas. It is obvious that there was not a lot of time/effort put in. ✓ Number of errors or items done without fidelity ✓ Number of incomplete items ✓ Done on time ✓ Neatness/legibility
,	ı	significant, it reduces the quality of the whole task. It is obvous there was minimal effort ✓ Number of errors or items done without fidelity ✓ Number of incomplete items

Remember to Keep all completed
HW assignments near your recording
Sheet and always have them
In class.

If absent from my class:

- 1. Always check my blog for details, etc
- 2. Always check the Class Papers Basket for...
- 3. Ask for the solutions to the previously scored assignment so you can check your work, etc.

Goals Today

o Use the ZERO PRODUCT PROPERTY

2) Use Graphing Calculators to analyze functions and make "Complete" Graphs.

product of

 $3 \cdot 7 = 21$

do we know anything about the factors?

 $2 \cdot b = 10$

 $a \cdot b = 24$

 $a \cdot b = 0$

 $f \quad 0 = 0 \quad \text{on} \quad p = 0$

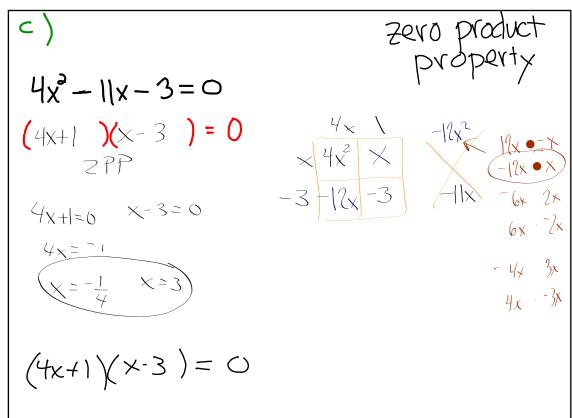
3 Examples

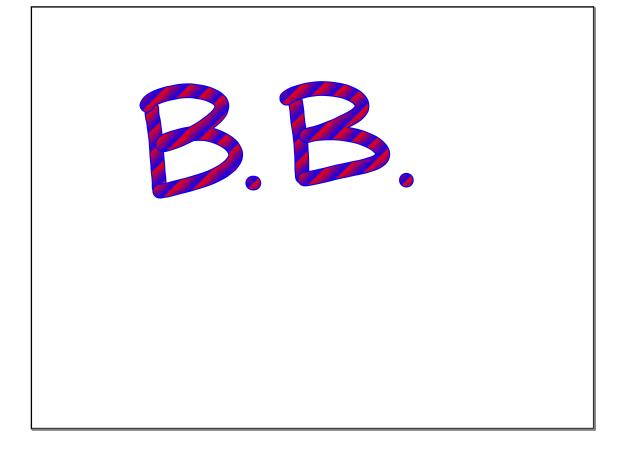
Solve each quadratic equation using the Zero Product property

b)
$$n^2 + 8n = 0$$
 No FACTORS, Yet

 $N(N+8) = 0$
 $N=0$
 $N=0$

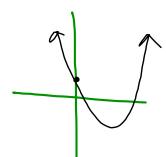
k December 05, 2019





In Algebra 1 you learned about the multiple representations of functions:

$$y = x^2 - 2x + 1$$



TABLE

EQUATION

Use graphing calculators

o make "Complete Graphs"

to

- · Analyze functions

- · have one person get a GDC for each person in your group.
- . the same person will return all of them.

FORMAT

Home Screen

$$\frac{5^{2}}{7^{3}}$$

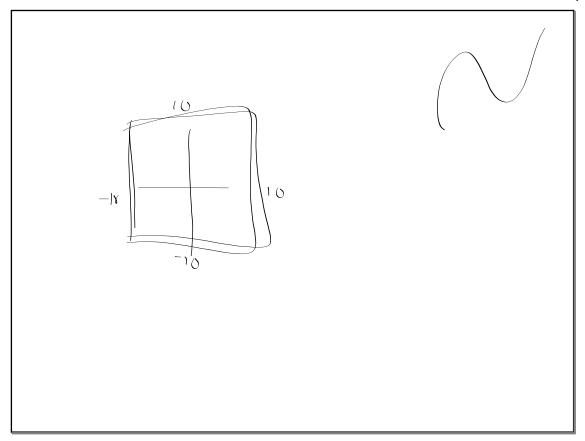
$$(8^{3}-7^{2})^{3}$$

$$-(-3)^{3}+7(4)-3$$

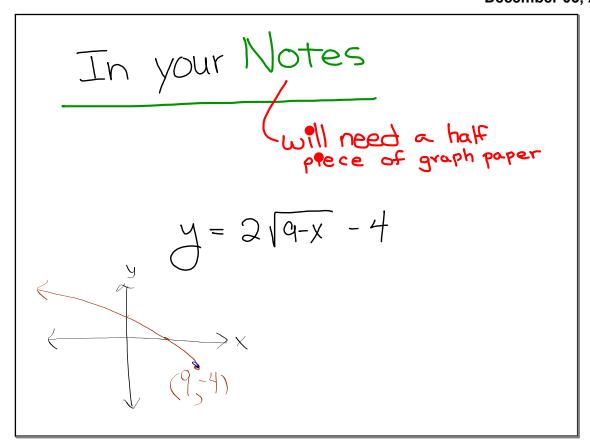
$$\sqrt{4900}$$

$$\sqrt{3125}$$

December 05, 2019



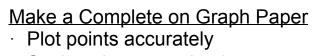
$$\frac{y=3x+2}{-2x^2+3x+1}$$
when finished
$$\frac{y=3x+2}{\sqrt{2x^2+3x+1}}$$



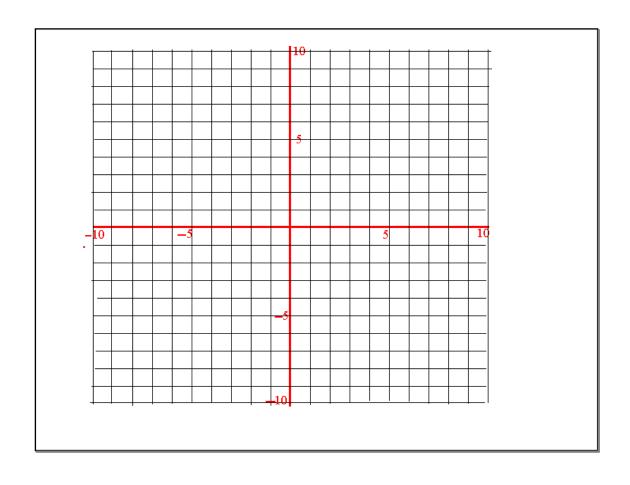
- . What are the locations of key points?
- Is there a maximum or minimum y-value?

 If so, what is it?
- 4. Can we identify **5** integer inputs and their outputs? (five graphing friendly points)

December 05, 2019



- Scale axis appropriately
- Label key points



1- 13bdf, 15-17, 20,25

on #20

find the domain and range

if you were absent yesterday, please see me about a short Pre-test we took yesterday

Avoid the cycle of destruction.

If you are struggling with the work, don't leave school that day unless you get help or come in early the next day.