Pick Up the new recording Sheat

You are about to do a 4-question Pre Learning Check on Equation Solving.

Although I don't expect you to do wonderful at this point, I do expect you to make at least some progress because you have already started a progression in Algebra 1.

Do as much as you can in 10 minutes. Then I will ask you to turn it in.

for a small grade for just attempting, not based on correct answers.



Your Ch. 2 TRST was not included in progress reports. It will be returned to you tomorrow.

Now turn your paper over.

OK, Now solve the same system using the "classic" elimination method. Continue what was started.

$$5a - 3b = 11$$

$$10a + b = 30$$

$$35a = 101$$

$$101 - 3b = 11$$

$$101 - 3b = 11$$

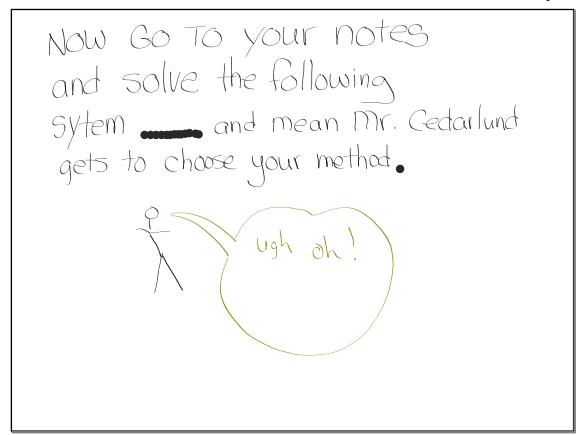
$$101 - 3b = 11$$

$$101 - 21b = \frac{77}{101}$$

$$-21b = \frac{24}{71}$$

$$b = \frac{24}{71}$$

$$b = \frac{24}{71}$$



Solve the linear sytem by substitution

$$2x + 5y = 1$$

$$3x - 7y = 2$$

$$+75$$

$$3x = 2 + 75$$

$$3x = 2 + 75$$

$$3x = 2 + 75$$

$$4x + 15y = 3$$

$$2(2+7y) + 15y = 3$$

$$4x + 15y = 3$$

$$58x + -5 = 29$$

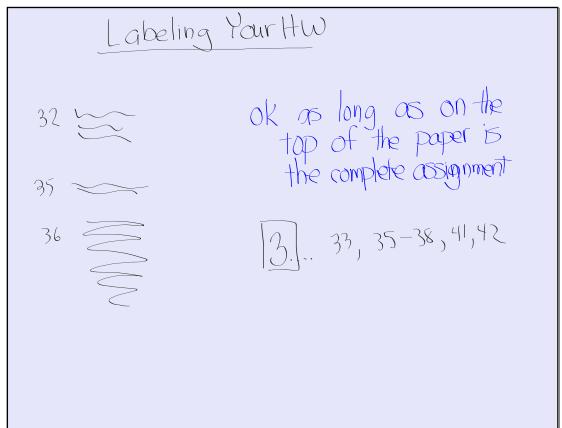
$$58x + -5 = 29$$

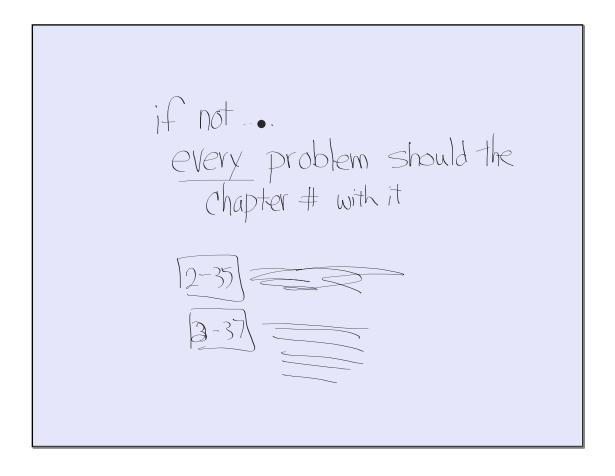
$$58x + -5 = 29$$

$$78x = 34$$

$$17 - 19$$

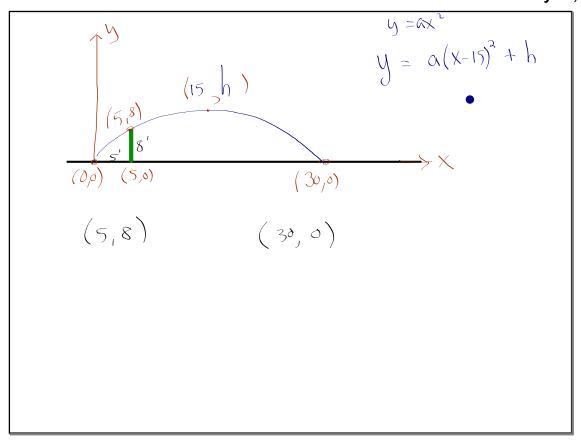
$$17 - 19$$

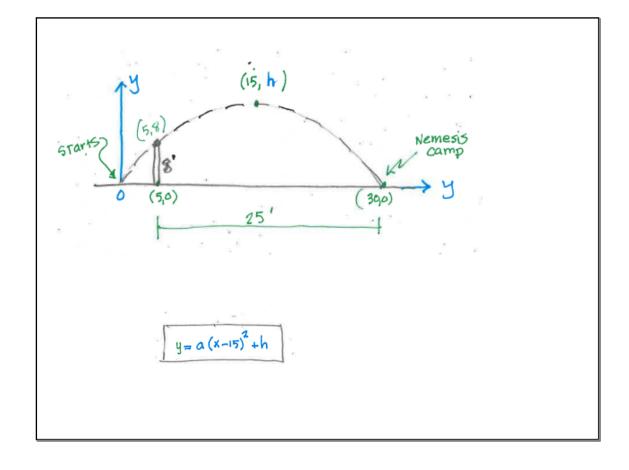




After Test Assignment

ALIEI	Name
fe the wi	a neighborhood water balloon battle, Dudley has developed a winning strategy. He has his ome base situated five feet behind an eight-foot fence. 25 feet away on the other side of the nce is his nemesis' camp. Dudley uses a water balloon launcher, and shoots his balloons so that ey just miss the fence and land in his opponent's camp. Write an equation that, when graphed, all model the trajectory (path) of the water balloon. In clude a labeled diagram. TEMPT TO SET' UP YOUR AXES (X and Y) & that the
W	JATER BALGON STARTS AT XEO





d February 03, 2020

$$y = a(x-15)^2 + h$$

(5,8)

(35,0)

 $8 = a(5-15)^2 + h$
 $0 = a(30-15)^2 + h$
 $8 = 100a + h$
 $0 = 225a + h$

Solve system of

linear equations

$$8 = 100a + h \rightarrow 0 = 225a + h \rightarrow 0 = 225a + h \rightarrow 0 = 225a + h \rightarrow 0 = 125a$$

$$a = (-\frac{3}{125}) = 100(-\frac{3}{125}) + h$$

$$8 = -6.4 + h$$

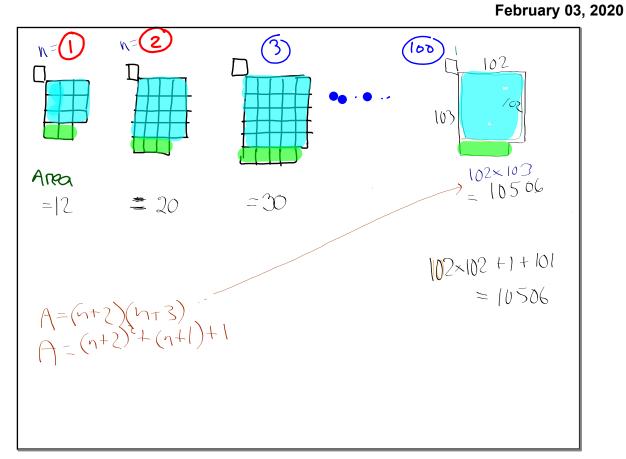
$$h = 14.4$$

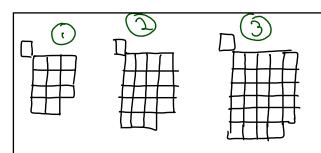
$$y = -\frac{3}{125} (x - 15)^{2} + 14.4$$

the your model to predict the height of the balloon of the exact moment it has traveled 20 feet along the groud (total).

 $y = -\frac{8}{125}(x-15)^2 + 14.4$) ≈ 12.8 fact

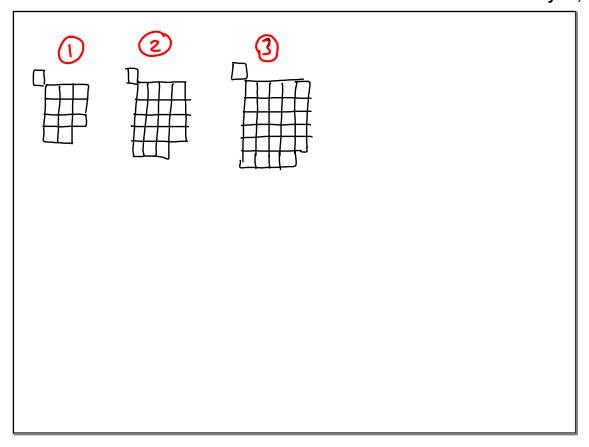
Ch. 3 Equivalent
Expressions
learn to re-write expressions
of many different types

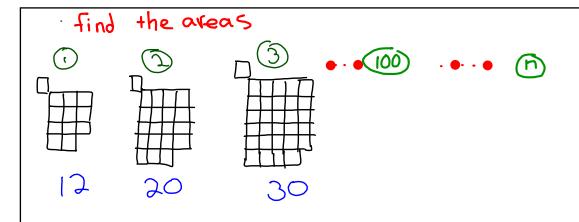




Work with your group to DESCRIBE what the 100th figure would look like.

February 03, 2020





Then find as many expressions as you can for the area (# of tiles) for the nth figure. .

Which figure has

Assignment

3... 5-9, 11-12

If you did not take the test yesterday, come up and talk to me at this time.

- Each team of 4 breaks into 2 patrs.
- · Each pair gots one paper and one pencil.
- Student #1 does the writing, while student #2 does the explaining

However

If #1 doesn't understand what is being said then they should ask #2 for an explanation, and not just blindly write down.

. Reverse Roles after the first problem.

• When both groups have finished the first two problems, but not before, compare answers.

. Then do the same thing for "c" and "d"