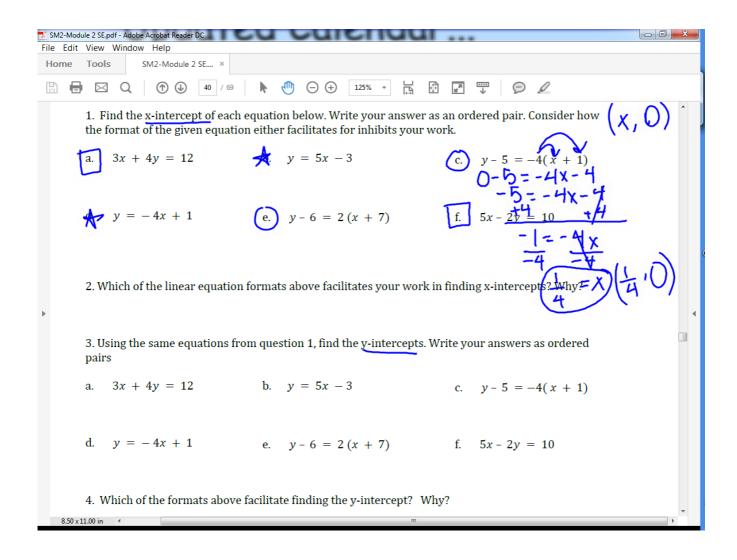
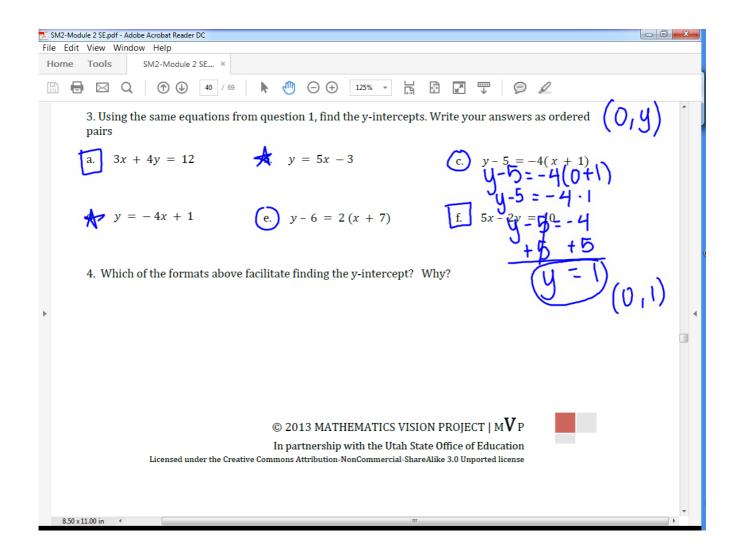
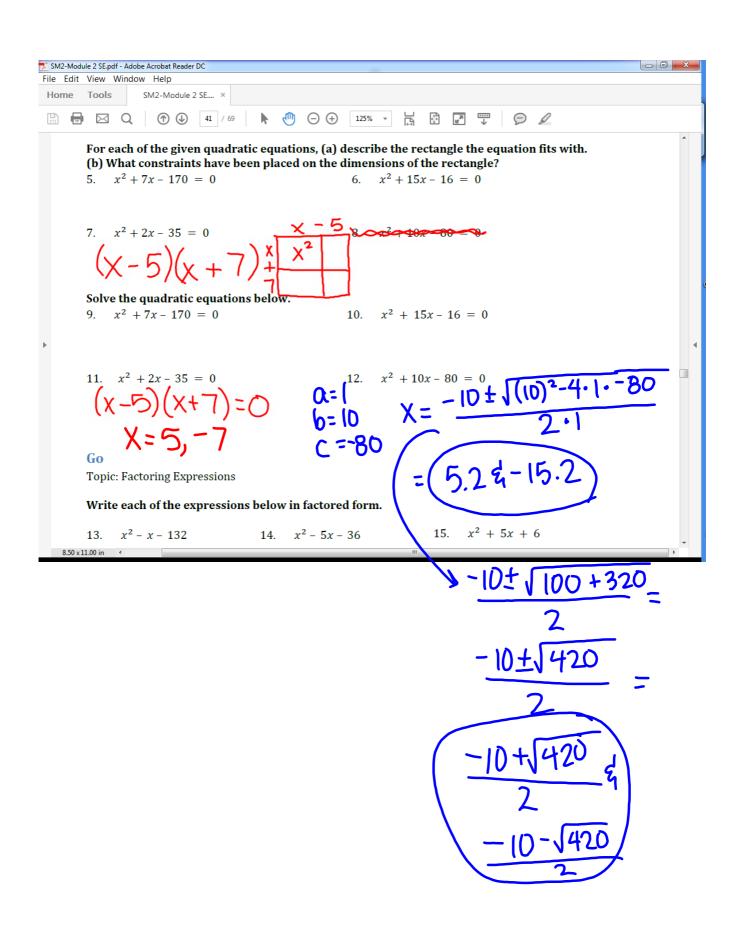
## Questions on 3.6 HW?

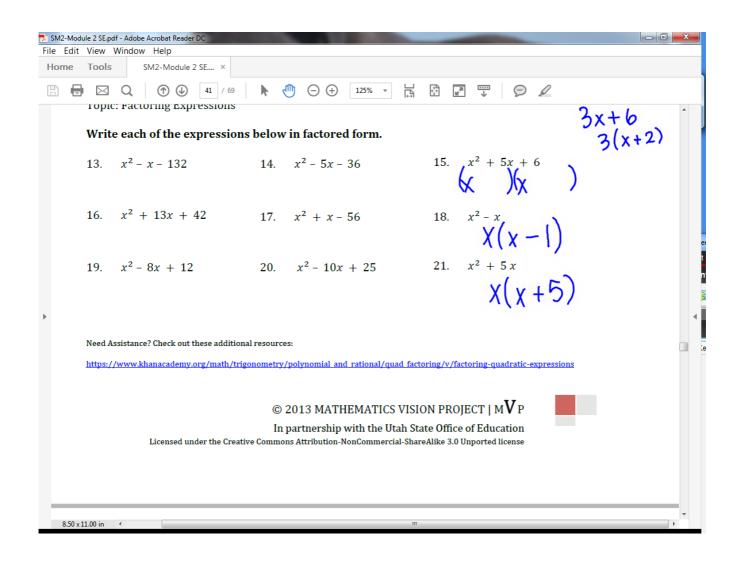
## Updated Calendar...

B: 11/8/2016  B: 11/8/2016  Complete:			Complete:
A: 11/10/2016  B: 11/14/2016  B: 11/14/2016  B: 11/16/2016  B: 11/18/2016  A: 11/18/2016  B: 11/18/2016  B: 11/18/2016  B: 11/18/2016  B: 11/18/2016  A: 11/18/2016  B: 11/18/2016  A: 11/18/2016  B: 11/18/2016  A: 11/18/2016  A: 11/22/2016  A: 11/22/2016  A: 11/22/2016  A: 11/22/2016  A: 11/22/2016		3.6 Curbside Rivalry	
A: 11/14/2016  B: W/45/2016  A: 11/16/2016  B: W/45/2016  A: 11/18/2016  B: W/45/2016  B: W/45/2016  A: 11/18/2016  Complete:  3.9 Ready, Set, Go (pgs.60-61  Complete:  3.10 Ready, Set, Go (pgs.66-6)  Complete:  Complete:  Complete:  Complete:  11/21  3.10 INumbers  A: 11/18/2016  Complete:  Complete:  12/2 Module 3 Review & Vest		11/4 3.7 Perfecting My Quads	Complete:
A: 11/16/2016  B: WATTANIA   11/2  3.10   Numbers   3.10 Ready, Set, Go (pgs.66-6)   Complete:    B: 11/18/2016  B: 11/22/2016  A: 11/22/2016  I 2 2 Module 3 Test		11/15 3.8 To Be Determined	Complete:
B: 11/18/2016 Complete:  B: 11/18/2016 II/30 Module 3 Review & VEST  A: 11/22/2016 IZ/2 Module 3 Test	B: <b>W/45/2016</b> A: 11/16/2016	11/13.9 My Irrational and Imaginary Friends	
A: 11/22/2016 12/2 Module 3 test		11/2( 3.10 INumbers	
*11/28 Extra Quadratic Egn.			
	*11/28	Extra Quadratic Egn.	









## 3.7 Perfecting My Quads

A Practice Understanding Task

Carlos and Clarita, Tia and Tehani, and their best friend Zac are all discussing their favorite methods for solving quadratic equations of the form  $ax^2 + bx + c = 0$ . Each student thinks about the related quadratic function  $y = ax^2 + bx + c$  as part of his or her strategy.



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Carlos: "I like to make a table of values for x and find the solutions by inspecting the table."

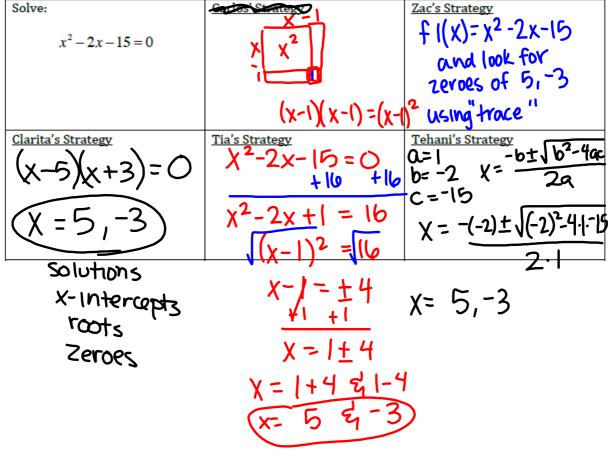
Clarita: "I like to write the equation in factored form, and then use the factors to find the solutions."

Tia: "I like to treat it like a quadratic function that I am trying to put in vertex form by completing the square. I can then use a square root to undo the squared expression."

Tehani: "I also like to treat it like a quadratic function, but I use the quadratic formula to find the solutions."

Zac: "I like to graph the related quadratic function and use my graph to find the solutions."

Demonstrate how each student might solve each of the following quadratic equations.



Solve:	Carlos Strategy	Zac's Strategy
$2x^2 + 5x - 12 = 0$		
Clarita's Strategy	Tia's Strategy	Tehani's Strategy

Solve:	Carlos Svategy	Zac's Strategy
$x^2 + 4x - 8 = 0$		
Clarita's Strategy	Tia's Strategy	Tehani's Strategy

Solve:		Zac's Strategy
$8x^2 + 2x = 3$		
Clarita's Strategy	Tia's Strategy	Tehani's Strategy

Describe why each strategy works.

As the students continue to try out their strategies, they notice that sometimes one strategy works better than another. Explain how you would decide when to use each strategy.

Here is an extra challenge. How might each student solve the following system of equations?

Solve the system:	Carlos' Strategy	Zac's Strategy
$y_1 = x^2 - 4x + 1$		
$y_2 = x - 3$		
V 2		
Clarita's Strategy	Tia's Strategy	Tehani's Strategy

## Homework

3.7 MVP "Ready, Set, Go"