

$$3.0 > |real$$
 $3. \times = -2$ 
 $3. \times = -2 | imag$ 
 $5. \times = 7 + i \sqrt{47}$ 

Jan 12-8:44 AM

$$f(x)=x^{2}$$

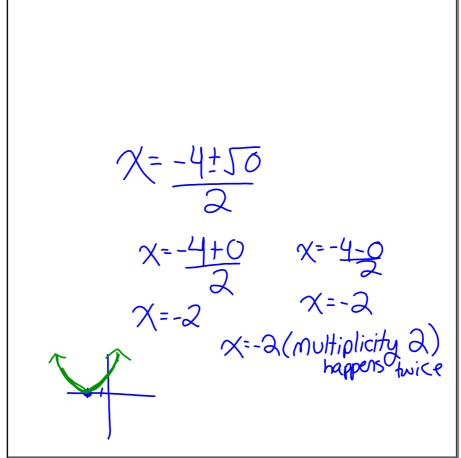
$$g(x)=x-1$$

$$(f \circ g)(x)$$

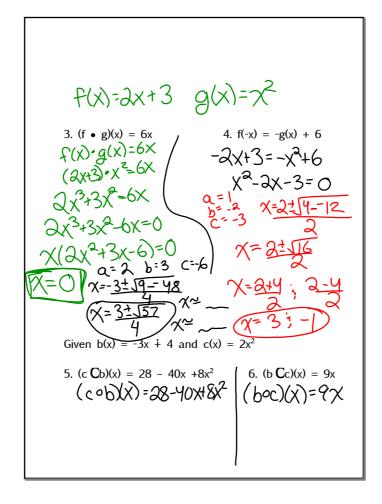
$$f(g(x)) plug g(x) in$$

$$f(x-1)^{2} f(x)$$

Jan 12-8:57 AM



Jan 12-8:50 AM



7.  $2(c \cdot b)(x) = 10x$  8. b(x) = -c(x)

9. Challenge! Solve  $x^4 - 4x^2 = 21$ 

$$5 \times -2 \pm 105$$

$$6 \times -9 \pm 577 \times -1.86$$

$$7 \times -9 \pm 107$$

$$8 \times -3 \pm 107$$

$$8 \times -3 \pm 107$$

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with	Creative Practice: On a blank sheet of paper, create each of the following, along an answer key. Then rewrite your problems (in a mixed order ©) on a blank at of paper.
	~ Any quadratic function that will have one solution
	$\sim$ Any quadratic function that will have two real solutions.
	$\sim$ Any quadratic function that will have two imaginary solutions.
	~ Any quadratic function that is factorable.
	each problem, first hypothesize about the number and type of solutions the ation will have. Then solve each equation.
€	Reflect: Write about how your knowledge of quadratics has improved, what you
with	still wondering about related to quadratics, and how you feel regarding your work quadratics. Include any other ideas related to quadratics and the quadratic into a syou wish as well. ©

Homework: Online

\_\_\_\_ Unit 5 Class Work \_\_ Date: \_\_\_\_

p. 288-290 #3, 7, 11, 13, 19, 25, 29, 31, 33, 35, 41, 43, 47, 57, 61, 73, and 77

Check your answers with the back of the book, and be prepared to ask me any questions you have.  $\ensuremath{\textcircled{\sc 0}}$