Name: _

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should read the I Can Statement then complete the problem in the Prove It column. Tomorrow you will check your work. If it is not correct, you need to complete the Improve It column at the indicated station. Directions: We will be factoring and solving quadratics frequently throughout this unit. Below are "I Can..." statements from your Math 2 coursework. You

	(If your answer is incorrect you need to go to Station 1.)		
handout. Focus on Example's. Then complete the problems at the station that focus on this "I can" statement.	$2x^{2}-4x - 3x + 6$ $2x(x - a) + (-3x + 6)$ $2x(x - a) + -3(x - a)$ $(x - a)(ax - 3)$	$a \neq 1$.	
Read through Factoring Quadratics using the Diamond	$3x^{2} - 7x + 6$	Factor a trinomial where	9
	* If you recognize when a=1 you can go straight from the diamond into the factors. But ONLY when a=1. Check your work: Correct Incorrect (If your answer is incorrect you need to go to Station 1.)		
	(x-6) + (c)		
statement.	$\frac{b=-3}{C^2-34} \times b \times (x^2-6x) + (4x-34)$		
handout. Focus on Example One . Then complete the problems at the station which match this "I can"	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	a=1.	L
Boad through Eactoring Oughtratics using the Diamond	~2 2~ 24		_ د
Improve it	Prove It	I can	*

	5 Solve a quadratic equation, with a perfect square trinomial by factoring.	4 Factor a difference of squares.		3 Solve a quadratic equation where $a > 1$ by factoring.
$(7x+8)^{2} = 0$ $(7x+8)^{2} = 10$ $(7x+8)^{2} = 10$ $(1x+8)^{2} $	Check your work: Correct Incorrect	$\frac{q^{2}-b^{3}=(a+b)(a-b)}{q(x^{2}-3b)} = \frac{(3x+b)(3x+b)}{(3x)^{2}-(b)^{2}} = \frac{(3x+b)(3x+b)}{(3x+2)}$ $\frac{gp}{q(x^{2}-3b)} = \frac{(3x+2)(x-2)}{(3x+2)(x-2)} = \frac{3(x+2)\cdot 3(x-2)}{(3x+2)(x-2)}$	C=-4 $(6x^2-3x)+(8x-4)=0$ 3x(9x-1)+4(9x-1)=0 9x-1=0 or $3x+4=09x-1=0$ or $3x+4=09x-1=0$ or $3x+4=09x-1=0$ or $3x+4=09x-1=0$ or $3x+4=09x-1=0$ or $3x+4=09x-1=0$ or $3x-4=0Check your work: Correct Incorrect (If your answer is incorrect you need to go to Station 3.)$	$6x^{2} + 5x = 4$ $0 = 6$ $6x^{2} + 5x - 4 = 0$
	Work through the multiplication problems to find the pattern then practice the problem provided.	Work through the multiplication problems to find the pattern then practice the two factoring problems.		Read the step to solving at the station then practice the two problems provided.

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					Solve a quadratic using the quadratic formula					Identify the axis of symmetry without a calculator.
Check your work: Correct Incorrect (If your answer is incorrect you need to go to Station 6.)	$X = \frac{-7}{6} + \frac{73}{6}$ or $X = \frac{-1}{6} - \frac{573}{6}$	X=-7 ± \149+24 X=-7 ± \73	$C = -2$ $X = \frac{-1}{2(3)} + \sqrt{(7)^2 + 4(3)(-3)}$	b=7 X=-b + 1b2-4ac	$3x^2 - 2 = -7x$ $3x^2 + 7x - 2 = 0$	Check your work: Correct Incorrect (If your answer is incorrect you need to go to Station 4.)	× = -2	; × 1i	0=12 X=-10 2a	$f(x) = 3x^2 + 12x - 2$ Q = 3 $Q. 0. S.$
					Read the example using the Quadratic formula then complete problems $1\ \&\ 2$.					from an equation then do the two practice problems.

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