## DIGITAL

NAME	DAT	E
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Module 13	Solving Quadratic Equations of One Variable	guided
Lesson 4	Solving Quadratic Equations by Completing the Square	notes
Lesson	Objectives	Access
square. • Write a	ine the constant that makes a quadratic trinomial a perfect perfect square trinomial as the square of a binomial. uadratic equations by completing the square.	
Given the exp	pression $x^2 + bx$ , to complete the square:	
• Find half of	·	
•	the result.	
	that number to create a perfect square trin $(1)_2$	
A perfect squa	are trinomial of the form $x^2 + bx + \left(\frac{b}{2}\right)^2$ can be factored a	S
$\left(x+\frac{b}{2}\right)^2$ .		
( 2)		
< -/	te the square. $x^2 - 5x + $	
Complet		
Complet	te the square. $x^2 - 5x + $	
<ol> <li>Complet</li> <li>Factor: x</li> </ol>		æps:
<ol> <li>Complet</li> <li>Factor: x</li> <li>To solve a quad</li> </ol>	$x^2 - 5x + \frac{25}{4}$ adratic equation by completing the square, follow these st	-
<ol> <li>Complet</li> <li>Factor: x</li> <li>To solve a qual</li> <li>1</li> </ol>	$x^2 - 5x + \frac{25}{4}$ adratic equation by completing the square, follow these st the variable terms on one side of the equation	-
<ol> <li>Complet</li> <li>Factor: x</li> <li>To solve a qual</li> <li>1</li> <li>Make the</li> </ol>	$x^2 - 5x + \frac{25}{4}$ adratic equation by completing the square, follow these st the variable terms on one side of the equation e leading coefficient equal to	-
<ol> <li>Complet</li> <li>Factor: x</li> <li>To solve a qual</li> <li>1</li> <li>Make the</li> </ol>	$x^2 - 5x + \frac{25}{4}$ adratic equation by completing the square, follow these st the variable terms on one side of the equation	-
(1) Complet (2) Factor: x To solve a quant 1 2. Make the 3. Add $\left(\frac{b}{2}\right)^2$	$x^2 - 5x + \frac{25}{4}$ adratic equation by completing the square, follow these st the variable terms on one side of the equation e leading coefficient equal to	-
(1) Complet (2) Factor: x To solve a quant 1 2. Make the 3. Add $\left(\frac{b}{2}\right)^2$ complete	$x^2 - 5x + \frac{25}{4}$ adratic equation by completing the square, follow these st the variable terms on one side of the equation e leading coefficient equal to to sides of the equation. This es the square and keeps the equation balanced.	-
(1) Complete (2) Factor: x To solve a quant 1 2. Make the 3. Add $\left(\frac{b}{2}\right)^2$ complete 4	$x^2 - 5x + \frac{25}{4}$ adratic equation by completing the square, follow these strong the variable terms on one side of the equation e leading coefficient equal to $x^2$ to $x^2$ to $x^2$ to	-
(1) Complete (2) Factor: x To solve a quant 1 2. Make the 3. Add $\left(\frac{b}{2}\right)^2$ complete 4	$x^2 - 5x + \frac{25}{4}$ adratic equation by completing the square, follow these st the variable terms on one side of the equation e leading coefficient equal to to sides of the equation. This es the square and keeps the equation balanced.	-
(1) Complete (2) Factor: x To solve a quadra in the solve a qua	$x^2 - 5x + \frac{25}{4}$ adratic equation by completing the square, follow these strong the variable terms on one side of the equation e leading coefficient equal to $x^2$ to $x^2$ to $x^2$ to	on.

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