

Steps for Solving by Completing the Square

Ex: Solve the equation $2x^2 + 8x - 21 = 0$ by completing the square.

Steps:	$2x^2 + 8x - 21 = 0$
1. Move any _____ terms to the other side.	
2. If "a" does not equal 1, then _____ each term by "a."	
3. Complete the square by doing _____, and add that number to both sides of the equation.	
4. _____ the left side and _____ the right side.	
5. Take the _____ of both sides.	
6. Get x _____ and simplify.	