Springboard 7.3
Solving quadratic equations by factoring and quadratic formula.
10.9.15
Warmup

Factor

$1) x^2 + 3x - 4$

$2) x^2 - 3x + 10$

$3) 3x^2 + 25x - 18$

I do:

Solve for x

$x^2 + 5x - 14 = 0$

Given	$x^2 + 5x - 14 = 0$	
Factor		
Solve for x for each factor		
Final answer.		

We do:

Solve for x

$x^2 + 5x - 14 = 0$

Given	$x^2 + 6x + 8 = 0$	
Factor		
Solve for x for each factor		
Final answer.		

We do:

Solve for x

$2x^2 - 13x + 21 = 0$

Given	$2x^2 - 13x + 21 = 0$	
Factor		
Solve for x for each factor		
Final answer.		

You do:

Solve for x

$10x^2 + 11x + 3 = 0$

Given	$10x^2 + 11x + 3 = 0$	
Factor		
Solve for x for each factor		
Final answer.		

Quadratic Formula

Solve for x

$x^2 + 5x - 1 = 0$

Given	$x^2 + 5x - 14 = 0$
Find a,b,c $ax^2 + bx + c$	
Plug into formula $x = \frac{-b \pm \sqrt{-b^2 - 4ac}}{2a}$	
Final answer.	

We Try:

Given	$2x^2 + 3x - 9 = 0$
Find a,b,c $ax^2 + bx + c$	
Plug into formula $x = \frac{-b \pm \sqrt{-b^2 - 4ac}}{2a}$	
Final answer.	

You Try:

Given	$5x^2 + 12x + 4 = 0$
Find a,b,c $ax^2 + bx + c$	
Plug into formula $x = \frac{-b \pm \sqrt{-b^2 - 4ac}}{2a}$	
Final answer.	

https://jeopardylabs.com/play/factoring-trinomials55