

What is a trinomial? 3 term polynomial

How to Factor trinomials? When factoring we will have 2 sets of brackets
 (add) (mult) contain binomials (2 terms)

Eg 1) Factor $x^2 + 4x + 3$

x +	
3 4	(1, 3)

$= (x + 1)(x + 3)$

check: $(x+1)(x+3)$

inst outside / inside / inst

$= x^2 + 3x + 1x + 3$

$= x^2 + 4x + 3$

2) $x^2 - 10x + 16$

x +	
16 -10	1, 16 (-8, -2)

$= (x - 8)(x - 2)$ ✓ (11)

3) $x^2 + 4x - 21$

x +	
-21 4	1, 21 (-3, 7)

$= (x - 3)(x + 7)$ ✓ (11)

check: $(x-3)(x+7)$

$= x^2 + 7x - 3x - 21$

$= x^2 + 4x - 21$

Assignment: U3L4 (on back of L3 wkst)

© #2, 4, 6, 8, 45, 48