Lesson 22 (Part 2): Factoring "Harder" Trinomials

1. Guess & Check

$3g^2 + 8g + 4$

1,3 2,2

3,1 1,4

4,1

$(\ g + 2\ )(3g + 2\ )$

$(3g + 2\ )(\ \ g + 2\ )$

2. Rewrite & Group

What factors of 12 have a sum of 8?

Solve the riddle, and split the middle!

$3g^2 + 8g + 4$

Factor each polynomial completely.

$10x^2 + 21x - 10$

$8b^2 - 5b - 10$

$2b^2 + 10b + 12$

$2b^2 + 10b + 12$

Solve the equation.

$9z^2 = -6z + 15$