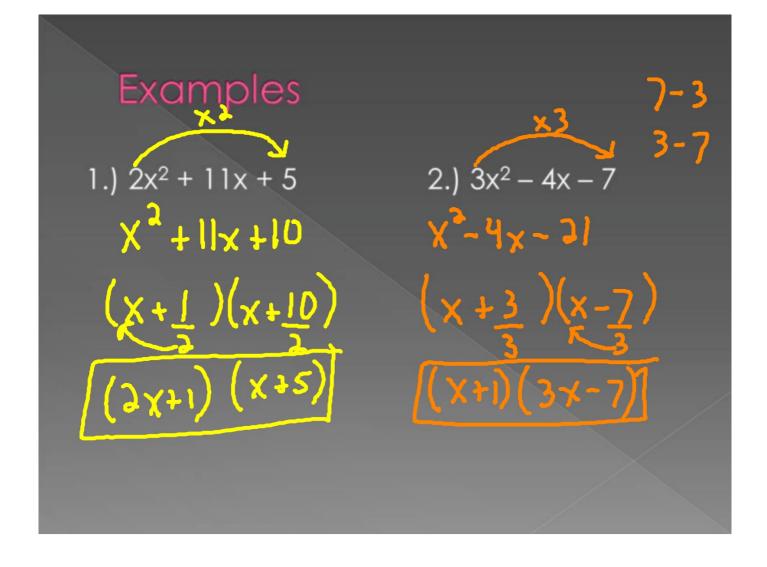


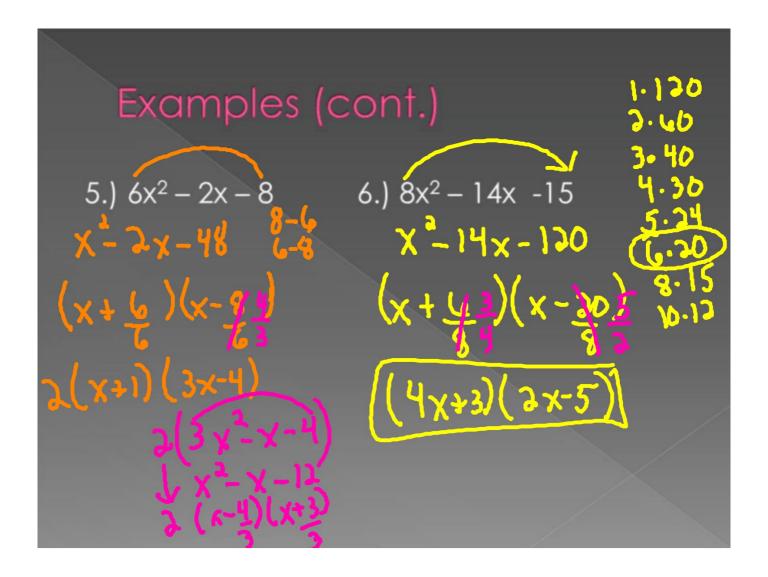
Factoring Trinomials

- Trinomial is of the form: $ax^2 + bx + c$
- Steps
 - Set the equation = 0
 - Multiply the c-term by the a-term
 - > Find factors of ac that add to get the b-term
 - Fill in the parenthesis using the correct signs
 - Divide by a as needed
 - Reduce fractions and rewrite parenthesis



Examples (cont.)

3.)
$$2x^{2} + 21x - 11$$
 $32 - 1$ 4.) $6x^{2} - 19x + 15$ $x^{2} + 31x - 32$ $(x - 19x + 90)$ $(x + 22)(x - 1)$ $(x - 13)(x - 105)$ $(x + 11)(2x - 1)$ $(2x - 1)$ $(2x - 1)$



Solving Quadratics

- What would you do if you had to solve the quadratic equation?
- Go back and solve 2 examples

Class work • Pg 607 #-12-14 • W(5+ 10.5-10.6

Homework • 614 # 18-31, 33-35 • 607# 31-33