

BE-1B WEDNESDAY 11-29-06

SOLVE:

① $2x^2 = 5x$

② $7x^2 = 6x$

AHSGE Workbook:

③ Page 35 # 11

④ Page 35 # 12

TAKE OUT homework: Pg. 485
48-55

FBG $\Rightarrow$ Factor By Grouping

Used When There Are 4 or more terms in a polynomial.

$$4ab + 8b + 3a + 6$$

$$(4ab + 8b) + (3a + 6)$$

$$4b(\underline{a + 2}) + 3(\underline{a + 2})$$


$$\boxed{*(a + 2)(4b + 3)}$$

$\Uparrow$
EX 2 Pg 482

②

FBG:

$$35x - 5xy + 3y - 21$$

$$(35x - 5xy) + (3y - 21)$$

$$5x(7 - y) + 3(y - 7)$$

$$5x(7 - y) + -3(-y + 7)$$

$$5x(\underline{7 - y}) + -3(\underline{7 - y})$$


$$\boxed{(7 - y)(5x - 3)}$$

③

Your Turn:

FBG: $4ax + 3ay + 4bx + 3by$

$$(4ax + 3ay) + (4bx + 3by)$$

$$a(4x + 3y) + b(4x + 3y)$$

$$\boxed{(4x + 3y)(a + b)}$$

OK

$$(4x + 3y)(a + b)$$

$$4ax + 4bx + 3ay + 3by \checkmark$$

HW: Pg 484 # 26-32