

Algebra I

5-10

Factor by Grouping

Factoring Order

1) Greatest Monomial Factor-

a)

b) Backwards _____

2) Difference of Squares

a) Must have two groups

b) Must be a subtraction

c) Each group must be a perfect square

d) Answer will always be a conjugate pair.

3) Backwards FOIL

a) Always starts out as three groups

b) Answer is two groups

4) Grouping

Factor. (pg 225)

1) $3(x + y) + z(x + y)$

7) $2a(a + 3) - (3 + a)$

9) $2(x - y) + y(y - x)$

19) $(12x^2 - 8xy) - 5(3xz - 2yz)$

$$21) 3a + ab + 3c + bc$$

$$31) 3hk - 2k - 12h + 8$$

Assignment:
pg. 226
2-34 even