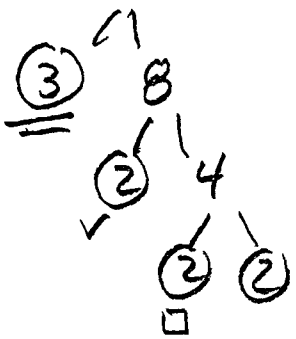
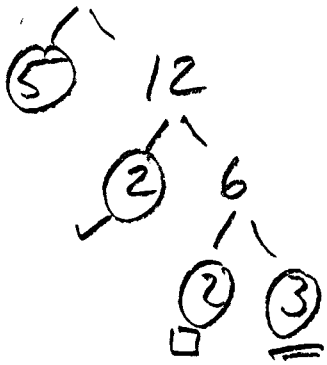
Algebra 1 Monday 3-18-13 Class Notes

- Prime Factorization (Ex) 60, 125
- Find All Factors. -50, 17
- GCF – Greatest Common Factor the largest of any shared factors between 2 or more numbers. Can find with Factor Trees.

(Ex) 24



60

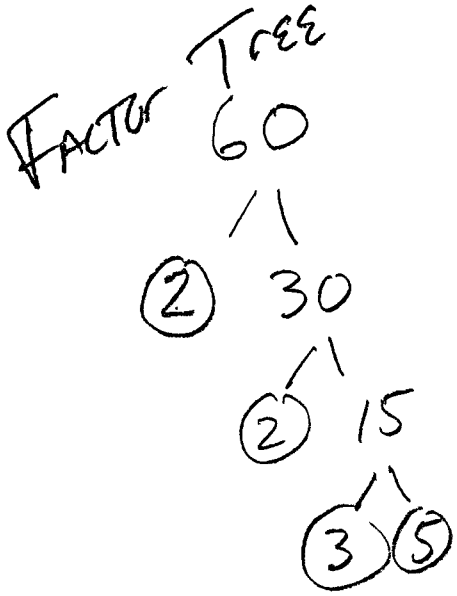


SHARE: $3 \cdot 2 \cdot 2 = 12 = GCF$

Ch. 7-1 Factors and Greatest Common Factors

(Ex) GCF of 18, 27; 32, 128

FACTOR TREE



1, 2, 3, 4, 5, 6, 10, 15, 12, 60
20, 30,

PRIME FACTORIZATION

$2 \cdot 2 \cdot 3 \cdot 5 = 60$

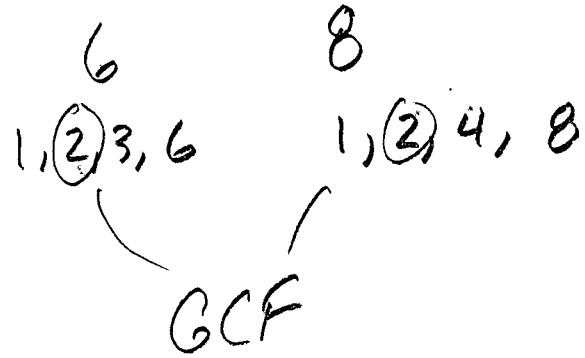
or

$2^2 \cdot 3 \cdot 5$

2, 30
4, 15
12, 5
10, 6
20, 3

FIND ALL FACTORS

GCF = ?

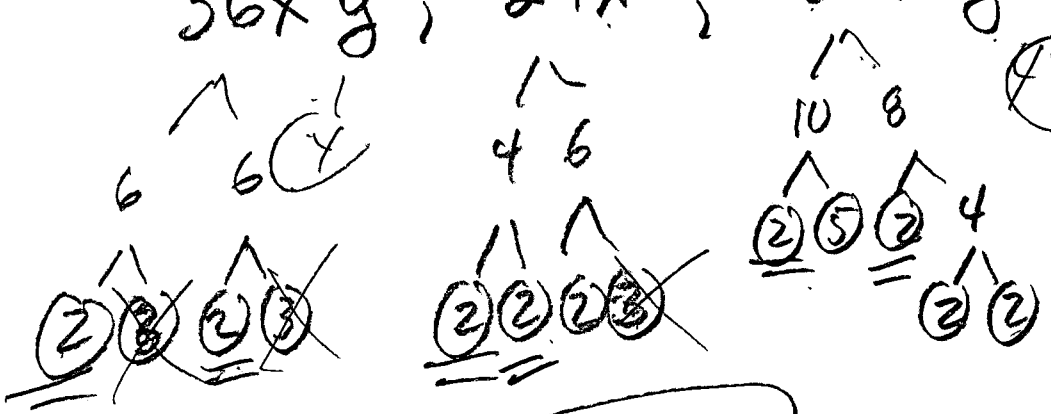


GCF?

$25x^3, 40x^2, 125x$

$5x^1$

$36x^5y, 24x^3, 80x^8y^4$



yyyy

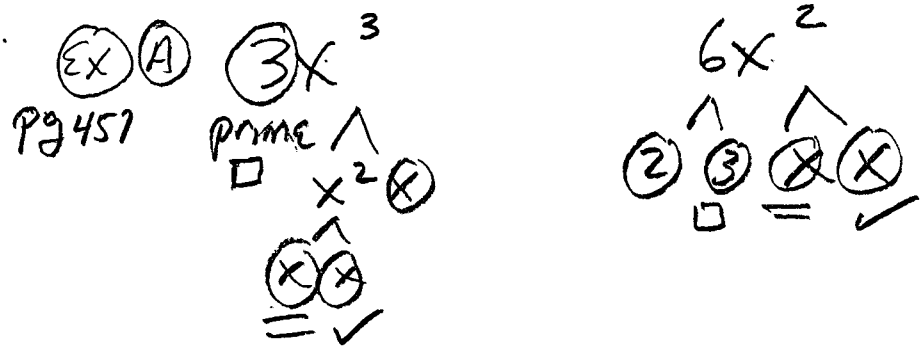
$4 = GCF$

$4x^3$

GCF of MONOMIALS

(Ex) (A) $3x^3$ $6x^2$

Pg 451



$3x^2$

(B) $4x^2$ $5y^2$

1

(Ex) $14x^5$, $7x^8$, $21x^{16}$

$7x^5$

- Practice
- Homework Pg 459 #1-15
  #17-27