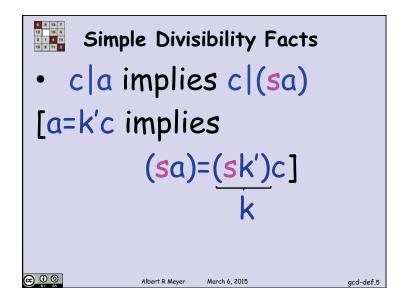
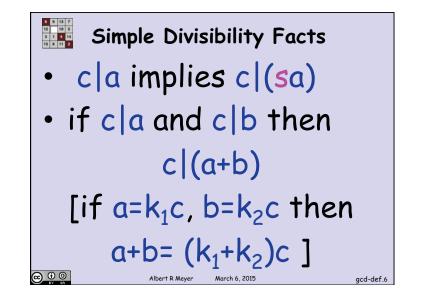
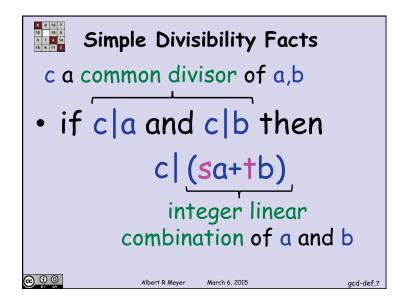
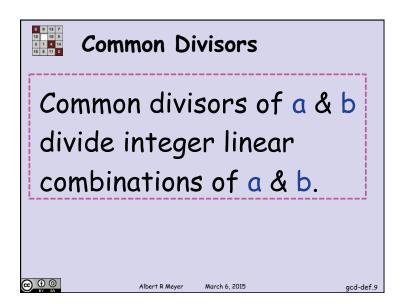


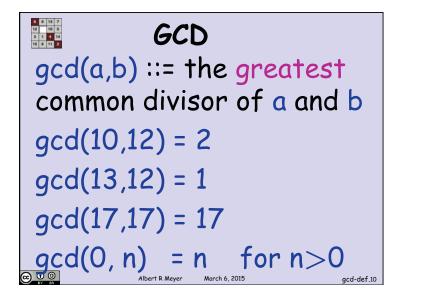
Divisibility	
c divides a (c a) iff	
a = k·c for some k	
5 15 because 15 = 3·5	
n 0 because 0=0·n	
C O O Albert R Meyer March 6, 2015	gcd-def.4











GCD	
gcd(a,b) ::= the greatest	
common divisor of a and	b
lemma: p prime implies	
gcd(p,a) = 1 or p	
proof: The only divisors	
of p are ± 1 & $\pm p$.	
C 0 0 Albert R Meyer March 6, 2015 gc	d-def.11

6.042J / 18.062J Mathematics for Computer Science Spring 2015

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