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MTH 35	4 10-2-17
Example of finding	GCI) using Enclidean algo
#1) Gen (273, 110)	
D 273 = 2 (116	71上53
(2) \\0 = \frac{1}{5}	35 + 4) +(D
	1.2
(3C) (173, 110) =	1 = 53-13(4) by @ Prime.
901) (217110)	= 53-13[110-2(93)] ky 2
	= 53-13 (110)+26(53)
	= 27(53) - 13(110) = 27[273 - 2(110)] - 13(110)
	= 27 (273) - 54 (110) -13 (110)
	= 27(273) - 67 (11 <u>0</u>)
S=	27, t=-67

10.02.2017 1:01p

10/2/17, 6:03 AM, 16m 24s



Example of finding GOD using Enclidean algo

#2) Gcn (273, 110)

GCD (273, 110) = 1 = 53-13(4) by 3 prime.

=
$$53 - 13[10 - 2(53)]$$
 ky 2
= $53 - 13(10) + 26(53)$
= $27(53) - 13(10)$

$$=27(273)-54(110)-13(110)$$

= $27(273)-67(110)$