The problems for the 2nd set of HW are

§ 5.3: 7, 8, 9, 11 (only for problems 7, 8, and 9)

§ ~~3~~.1 : 13-17, 19

Please grade #7 and #11 (for problem #9), for 2.5 pts each.

The rest (# 8, 9, 11(7), 11(8), 13-17, 19) can have ½ point without grading.

total = 10.

Thank you.

#7) GCD(2091, 4807) = 1

$4807 = 2(2091) + 625$

$2091 = 3(625) + 216$

$625 = 2(216) + 193$

$216 = 1(193) + 23$

$193 = 8(23) + 9$

$23 = 2(9) + 5$

$9 = 1(5) + 4$

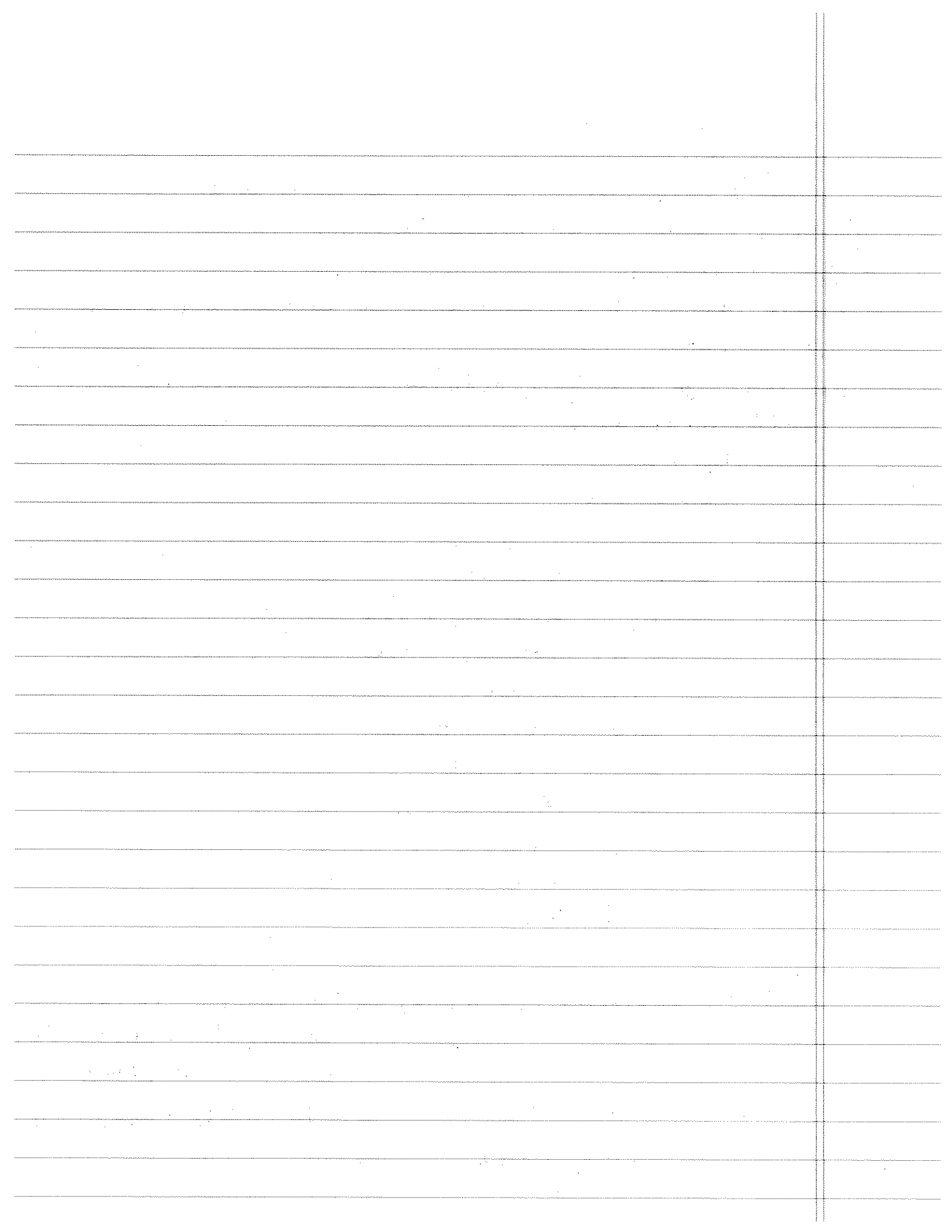
$5 = 1(4) + 1$

$4 = 4(1) + 0$

#11(9) GCD(67942, 4209) = 23 = $4209 - 7(548)$

$= 4209 - 7[67942 - 16(4209)]$

$= 4209 - 7(67942) + 112(4209)$

$= 113(4209) - 7(67942)$

$s = -7, \; t = 113$