Homework #: hwO4 Name: Tycho Halpern ECN Login: thalper Due Date: February 10, 2022 Theory Problems 1) CF(11) a. $(8x^4 + 7x^3 + 2x^2 + 10) + (9x^4 + 6x^3 + x + 7)$ $(17\%11)x^{4} + (13\%11)x^{3} + 2x^{2} + x + (17\%11)$ $6x^{4} + 2x^{3} + 2x^{2} + x + 6$ b.) (3x3+4x+3) x(2x3+x2+9x+7) $6x^{6} + 8x^{4} + 6x^{3} + 3x^{9} + 4x^{3} + 3x^{2} + (27\%11)x^{4} + 36x^{2} + 27x$ + 21x3+28x+21 6x6 +3x5 + 35x4 +31x3+ 39x2+55x +21 6x6+3x9+2x4+9x3+6x2+10 Ci) $2x^3 + 4x^2 + 3 \sqrt{8x^5 + 6x^4 + 2x^3 + x^2 + 6x}$ $\frac{-8x^{5} - 5x^{4} - x^{2}}{2x^{3} + 4x^{2} + 3} - x^{4} + x^{3} + 6x - x^{4} - 2x^{3} - 7x$

2.)
$$C-F(2^3)$$

a. $(x^2+x+1) \times (x+1)$
 $x^3+x^2+x+x^2+x+1$
 x^3+1
 x^3+1