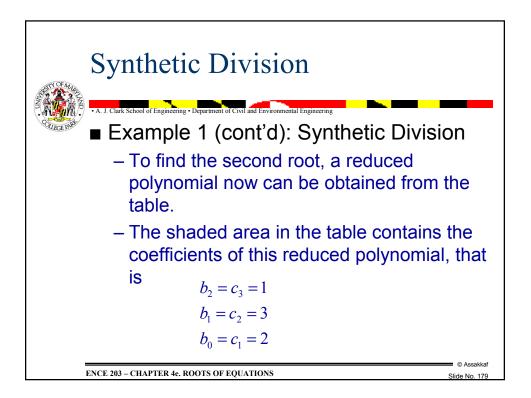
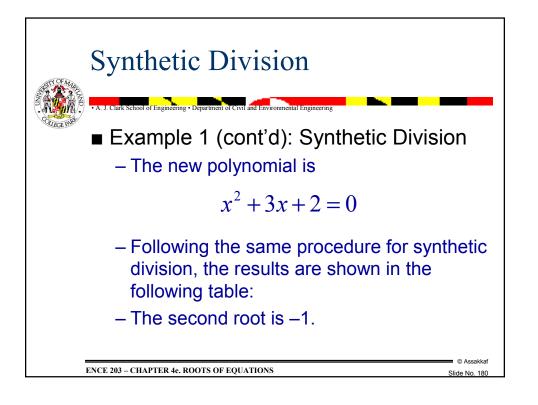


Synthetic Division A.J. Clark School of Engineering - Department of Civil and Environmental Engineering Example 1 (cont'd): Synthetic Division												
	i	0	1 4 69767442	2 4 12889444	3 4.00568744	4 4.00001182	4.00000000					
	$\frac{x_i}{\epsilon_r(\%)}$		27.72277228	4.12889444	3.07580171	0.14188998	0.00029559					
	R_0	112	26.62407084	4.05172623	0.17097918	0.00035471	0.000000000					
	R ₁	86	46.80908599	32.88551906	30.12522071	30.00026012	30.00000000					
	<i>b</i> 3	1	1.00000000	1.00000000	1.00000000	1.00000000	1.00000000					
	<i>b</i> ₂	-1	-1.00000000	-1.00000000	-1.00000000	-1.00000000	-1.00000000					
	b_1	-10	-10.00000000	-10.00000000	-10.00000000	-10.00000000	-10.00000000					
	b_0	-8	-8.00000000	-8.00000000	-8.00000000	-8.00000000	-8.00000000					
	С3	1	1.00000000	1.00000000		1.00000000	1.00000000					
	<i>c</i> ₂	5	3.69767442	3.12889444	3.00568744	3.00001182	3.00000000					
	<i>c</i> ₁	20	7.37047052	2.91887487	2.03984442	2.00008276	2.00000000					
	d_3	1	1 00000000	1.00000000	1.00000000	1.00000000	1.00000000					
	d_2	11	8.39534884	7.25778888	7.01137488	7.00002365	7.00000000					
	d_1	86	46.80908599	32.88551906	30.12522071	30.00026012	30.00000000					
$x^{3} - x^{2}$	-10	0x -	-8 = 0					© Assakkaf				
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	• A. J. C	lark Scho	thetic	epartment of Civil ar	id Environmental En	gineering	tic Div	ision
	i	0	• 1	2	3	4	5	6
	x _i	1	-0.20000000	-0.75384615	-0.95939730	-0.99847524	-0.99999768	-1.00000000
	$\epsilon_r(\%)$		600.00000000	73.46938776	21.42502893	3.91376116	0.15224459	0.00023178
	R_0	6	1.44000000	0.30674556	0.04225128	0.00152709	0.00000232	0.00000000
	R_1	5	2.60000000	1.49230769	1.08120539	1.00304952	1.00000464	1.00000000
	<i>b</i> ₂	1	1.00000000	1.00000000	1.00000000	1.00000000	1.00000000	1.00000000
	<i>b</i> ₁	3	3.00000000	3.00000000	3.00000000	3.00000000	3.00000000	3.00000000
	<i>b</i> ₀	2	2.00000000	2.00000000	2.00000000	2.00000000	2.00000000	2.00000000
	<i>c</i> ₂	1	1.00000000	1.00000000	1.00000000	1.00000000	1.00000000	1.00000000
	<i>c</i> ₁	4	2.80000000	2.24615385	2.04060270	2.00152476	2.00000232	2.00000000
	d_2	1	1.00000000	1.00000000	1.00000000	1.00000000	1.00000000	1.00000000
	d_1	5	2.60000000	1.49230769	1.08120539	1.00304952	1.00000464	1.00000000
•			c + 2 = 0	-	TIONS			© Assakkaf Slide No. 181

