Ch	File	Description	Qz	Hw	Rt	Rs	Ex
17		**Rational Functions: Local Analysis Near x_0**					
		Near $x_{\infty\text{-height}}$					
17	1	Local Rule for Graph near $x_{\infty\text{-height}}$—RatDeg > 1	✓	✓			✓
17	2	Local Rule for Graph near $x_{\infty\text{-height}}$—RatDeg < 0	✓	✓	✓	✓	✓
17	3	Local Rule for Graph near $x_{\infty\text{-height}}$—RatDeg $= 0$		✓			✓
17	4	Local Rule for Graph near $x_{\infty\text{-height}}$—RatDeg $= 1$					
17	5	*Local Graph near $x_{\infty\text{-height}}$—RatDeg > 1*	✓	✓			✓
17	6	*Local Graph near $x_{\infty\text{-height}}$—RatDeg < 0*		✓			✓
17	7	*Local Graph near $x_{\infty\text{-height}}$—RatDeg $= 0$*		✓	✓	✓	✓
17	8	*Local Graph near $x_{\infty\text{-height}}$—RatDeg $= 1$*					
17	9	Concavity-sign near $x_{\infty\text{-height}}$—RatDeg > 1					
17	10	Concavity-sign near $x_{\infty\text{-height}}$—RatDeg < 0					
17	11	Concavity-sign near $x_{\infty\text{-height}}$—RatDeg $= 0$			✓	✓	✓
17	12	Concavity-sign near $x_{\infty\text{-height}}$—RatDeg $= 1$					
17	13	Slope-sign near $x_{\infty\text{-height}}$—RatDeg > 1					
17	14	Slope-sign near $x_{\infty\text{-height}}$—RatDeg < 0					
17	15	Slope-sign near $x_{\infty\text{-height}}$—RatDeg $= 0$			✓	✓	✓
17	16	Slope-sign near $x_{\infty\text{-height}}$—RatDeg $= 1$					
17	17	Height-sign near $x_{\infty\text{-height}}$—RatDeg > 1					
17	18	Height-sign near $x_{\infty\text{-height}}$—RatDeg < 0					
17	19	Height-sign near $x_{\infty\text{-height}}$—RatDeg $= 0$			✓	✓	✓
17	20	Height-sign near $x_{\infty\text{-height}}$—RatDeg $= 1$					
		Near $x_{0\text{-height}}$					
17	21	Local Rule for Graph near $x_{0\text{-height}}$—RatDeg > 1					
17	22	Local Rule for Graph near $x_{0\text{-height}}$—RatDeg < 0					
17	23	Local Rule for Graph near $x_{0\text{-height}}$—RatDeg $= 0$					✓
17	24	Local Rule for Graph near $x_{0\text{-height}}$—RatDeg $= 1$					
17	25	*Local Graph near $x_{0\text{-height}}$—RatDeg > 1*					
17	26	*Local Graph near $x_{0\text{-height}}$—RatDeg < 0*		✓	✓	✓	✓
17	27	*Local Graph near $x_{0\text{-height}}$—RatDeg $= 0$*			✓	✓	✓
17	28	*Local Graph near $x_{0\text{-height}}$—RatDeg $= 1$*					
17	29	Concavity-sign near $x_{0\text{-height}}$—RatDeg > 1					
17	30	Concavity-sign near $x_{0\text{-height}}$—RatDeg < 0					
17	31	Concavity-sign near $x_{0\text{-height}}$—RatDeg $= 0$					
17	32	Concavity-sign near $x_{0\text{-height}}$—RatDeg $= 1$					
17	33	Slope-sign near $x_{0\text{-height}}$—RatDeg > 1					

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