

Unit 2 – Rational Functions (approximately 14 days)

Reference Materials: MH 11 = Mathematics 11 (McGraw-Hill Ryerson 2001)
 AW 12 = Mathematics 12 (Addison-Wesley 1988)
 AWC = Advanced Functions and Calculus (Addison-Wesley 2003)
 C = Advanced functions and Introductory Calculus (Harcourt 2002)
 WC = Worked examples in Calculus (Tam 2000)

Other Resources: **TI-84** = Texas Instruments graphing calculator
 E = MS Excel program on computer

Lesson	Topic	Practice References
2.1	Factoring Concepts	AW 12 – chapter 2 C – 2.1
2.2	Simplify Rational Expressions	MH 11 – 1.5
2.3	Multiplying & Dividing Rational Expressions	MH 11 – 1.6
2.4	Adding & Subtracting Rational Expressions	MH 11 – 1.7 MH 11 – 1.8
2.5	Rational Functions – Introduction	AWC – 5.1
2.6	Reciprocal Linear Rational Functions	
2.7	Graphing Rational Functions Using Reciprocal Function Techniques	AW 12 – 9.7
2.8	Reciprocal Quadratic Rational Functions	
2.9	Discontinuity (point and infinite)	AWC – 5.1
2.10	Limit Asymptotes (extreme behaviour)	AWC – 5.2 C – 9.3 WC – chapter 6
2.11	Intercepts of Rational Functions	AWC – 5.3
2.12	More Rational Functions	AWC – 5.3 AWC - 5.4
2.13	Review	Quiz 13 (opt) C - p.28 #1-6 & p.30 #1-9
	TEST	