

# MHF 4U – Advanced Functions

## UNIT 2 – Polynomial Equations & Inequalities

	Lesson	Suggested Reading	Assigned Problems
1	2.1 The Remainder Theorem	AF p. 84 – 90	AF p. 91 #1,3,4,8 AF p. 91 # 4, 5, 9, 10, 14, 16, 20
2	2.2 The Factor Theorem	AF p. 94 – 101	AF p. 102 #1 – 15
3	2.3 Polynomial Equations	AF p. 104 – 109	AF p. 110 # 1– 15
4	2.4 Families of Polynomial Functions	AF p. 113 – 118	AF p. 119 # 1– 4, 7, 9, 12, 17, 19
5	2.5 Solving Inequalities using Technology	AF p. 123 – 126	AF p. 130 # 1, 3, 5, 8, 10
6	2.6 Solve Factorable Polynomial Inequalities algebraically	AF p. 132 – 138	AF p. 138 # 1, 3, 5, 8
7	Review		AF p. 140 # 1 – 17 AF p. 142 # 1 – 17

### Performance Tasks

Due *2 days* after unit test

#### CHAPTER ASSIGNMENT – “Best of U”

- Read INTRO AF p. 83
- AF p. 92 Chapter Problem #17
- AF p. 103 Chapter Problem # 16
- AF p. 112 Chapter Problem #16
- AF p. 121 Chapter Problem #18
- AF p. 131 Chapter Problem #12

#### ALTERNATE CHAPTER ASSIGNMENT – Can you tell just by looking?

- AF p. 144