

## Algebra II: 2<sup>nd</sup> Quarter Exam Review Sheet

The test is divided up into five sections. Each section has three questions; a 2 point, a 3 point and a 4 point question. You must pick one question from each section to answer (6 questions total in the 50 minute period). You can receive partial credit for correct work on this exam. You may mix and match your point values to maximize your strengths and minimize your weaknesses. The topics of the five sections are as follows:

### Section I: Fractions

- [2] multiplying/dividing polynomial
- [3] adding/subtracting polynomial fractions
- [4] complex fractions

### Section II: Fractional Equations/Inequalities

- [2] numerical denominators
- [3] numerical denominators
- [4] polynomial denominators

### Section III: Word Problems

- [2] fractional equations with numerical denominators (section 5-8)
- [3] fractional equations with polynomial denominators (section 5-9)
- [4] solving with quadratic equations (sections 7-2 & 7-7)

### Section IV: Complex Numbers

- [2] simplifying imaginary numbers
- [3] sums and products of imaginary numbers
- [4] quotients of imaginary numbers

### Section V: Diagramming Parabolas

- [2] from standard parabolic form
- [3] by completing the square
- [4] by completing the square

### Section VI: Solving Polynomial Equations

- [2] 4<sup>d</sup> degree polynomial with only rational roots
- [3] 4<sup>th</sup> degree polynomial with rational and irrational/complex roots
- [4] 4<sup>th</sup> degree polynomial with no rational roots

## Algebra II: 2<sup>nd</sup> Quarter Exam Score-to-Grade Scale

Raw Score	% Grade
24	100
23.5	95
23	90
22.5	89
22	88
21.5	87
21	85
20.5	84
20	84
19.5	83
19	82
18.5	81
18	80
17.5	79
17	79
16.5	78
16	77
15.5	76
15	75
14.5	74
14	74
13.5	73
13	72
12.5	71
12	70

Raw Score	% Grade
11.5	69
11	69
10.5	68
10	67
9.5	66
9	65
8.5	64
8	64
7.5	63
7	62
6.5	61
6	60
5.5	55
5	50
4.5	45
4	40
3.5	35
3	30
2.5	25
2	20
1.5	15
1	10
.5	5
0	0