

## Algebra II: 1<sup>st</sup> Quarter Exam Review Sheet

The test is divided up into 9 sections. You must pick one question from each section to answer (9 questions total in the 50 minute period). You can receive partial credit for correct work on this exam. Your raw score will be converted to a percentage based on the table posted in class and on the network. You may mix and match your point values to maximize your strengths and minimize your weaknesses. The topics of the nine sections are as follows:

### Section I: Arithmetic

- [2] working with sums of positive & negative values
- [3] working with sums and products of positive and negative values
- [4] nested division

### Section II: Solving Inequalities

- [2] solving simple inequalities
- [3] solving conjunctions and disjunctions
- [4] solving inequalities with absolute values

### Section III: Word Problems

- [2] two variable inequalities
- [3] two variable equations
- [4] polynomial equations

### Section IV: Writing Equations

- [2] using point-slope form when given  $(x_1, y_1)$  and  $m$
- [3] using point-slope form when given slope indirectly
- [4] using point-slope form when given a parallel or perpendicular line

### Section V: Graphing Equations

- [2] graphing linear equations
- [3] graphing linear inequalities
- [4] graphing absolute value

### Section VI: Solving Systems

- [2] simple linear systems in two variables
- [3] systems of linear inequalities
- [4] systems that are not linear in their original variables

### Section VII: Exponents

- [2] positive exponents in products
- [3] positive/negative exponents in products/quotients
- [4] solving for a variable exponent

### Section VIII: Factoring

- [2] pattern factorings
- [3] non-pattern factoring
- [4] multi-step factoring

### Section IX: Solving Polynomial Equations

- [2] two-root polynomials
- [3] multiple-root polynomials
- [4] multiple-root polynomials

## Algebra II: 1<sup>st</sup> Quarter Exam Score-to-Grade Scale

Raw Score	% Grade
36	100
35.5	95
35	90
34.5	89
34	88
33.5	88
33	87
32.5	86
32	86
31.5	85
31	84
30.5	84
30	83
29.5	83
29	82
28.5	82
28	81
27.5	81
27	80
26.5	79
26	79
25.5	78
25	78
24.5	77
24	77
23.5	76
23	76
22.5	75
22	74
21.5	74
21	73
20.5	73
20	72
19.5	72
19	71
18.5	71
18	70

Raw Score	% Grade
17.5	69
17	69
16.5	68
16	68
15.5	67
15	67
14.5	66
14	66
13.5	65
13	64
12.5	64
12	63
11.5	63
11	62
10.5	62
10	61
9.5	61
9	60
8.5	56
8	53
7.5	50
7	46
6.5	43
6	40
5.5	36
5	33
4.5	30
4	26
3.5	23
3	20
2.5	16
2	13
1.5	10
1	6
.5	3
0	0