

4th Quarter Exam Review

Section I: Vectors

- [2] finding distance and bearing
- [3] applications of distance and bearing
- [4] advanced applications of distance and bearing

Section II: Graphing Trigonometric Functions

- [2] graphing sine, cosine, and tangent
- [3] graphing cosecant, secant, and cotangent
- [4] graphing polar equations

Section III: Trigonometric Functions

- [2] write an equation of a sine curve given information about the graph
- [3] write a rectangular equation in polar form or a polar equation in rectangular form
- [4] solve a trigonometric equation

Section IV: Sum, Difference, Double and Half Angle Formulas

- [2] find the exact value of a formula when given the quadrant and one trig value
- [3] find the exact value of a formula when given a non-pattern angle
- [4] find the exact value of a formula when given Arc trig functions

Section V: Trigonometry & Complex Numbers

- [2] products and quotients of complex polar numbers
- [3] using De Moivre's theorem to find powers of complex numbers
- [4] using De Moivre's theorem to find the roots of complex numbers

Section VI: Statistics

- [2] mean, median, mode, 1st & 3rd quartiles, range, variance & standard deviation
- [3] normal distribution curves
- [4] correlation coefficients and regression equations

Section VII: Probability

- [2] permutations
- [3] combinations
- [4] calculating the probability of events

Section VIII: Matrices

- [2] matrix arithmetic
- [3] solving a simple matrix equation
- [4] solving a system of equations with Cramer's Rule

4th Quarter Algebra II Exam Raw Score Sheet

Raw Score	% Grade
32	100
31.5	95
31	93
30.5	90
30	89
29.5	88
29	87
28.5	86
28	85
27.5	84
27	83
26.5	83
26	82
25.5	82
25	81
24.5	81
24	80
23.5	79
23	78
22.5	78
22	77
21.5	77
21	76
20.5	76
20	75
19.5	74
19	73
18.5	73
18	72
17.5	72
17	71
16.5	71
16	70

Raw Score	% Grade
15.5	69
15	68
14.5	68
14	67
13.5	67
13	66
12.5	66
12	65
11.5	64
11	63
10.5	63
10	62
9.5	62
9	61
8.5	61
8	60
7.5	55
7	56
6.5	53
6	50
5.5	46
5	43
4.5	40
4	36
3.5	33
3	30
2.5	25
2	20
1.5	15
1	10
.5	5
0	0