

MATH 162 FALL 2024 FINAL PART A GRADING SCHEME

To convert your numerical score (out of 100 points) to your grade on a 4.0 scale, use the following formula:

$$\text{Grade on 4.0 scale} = \max\left(0, 3 + \frac{5(\text{numerical score} - 82)}{66}\right).$$

The median numerical score for this exam was 82, which corresponds to a grade of 3.0 or a letter grade of B.

Numerical score	Grade	Numerical score	Grade
0	0	60	1.33
10	0	65	1.71
20	0	70	2.09
30	0	75	2.45
35	0	80	2.85
40	0	85	3.23
45	0.20	90	3.61
50	0.58	95	3.98
55	0.95	100	4.36

The letter grade which corresponds to your score out of 4.0 can be found using the following table:

Letter Grade	A+	A	A-	B+	B	B-
Grade range on 4.0 scale (± 0.1667)	4.33	4.0	3.66	3.33	3.0	2.66
Letter grade	C+	C	C-	D +	D	D -
Grade range on 4.0 scale (± 0.1667)	2.33	2.0	1.66	1.33	1.0	0.66

For example, a score of either 3.1 or 2.9 would fall in the range 3.0 ± 0.1667 and would therefore correspond to a B. A score of 3.83 would fall in the range 4.0 ± 0.1667 and corresponds to a letter grade of A. A letter grade of E corresponds to a score of less than 0.50.

MATH 162 FALL 2024 FINAL PART B GRADING SCHEME

To convert your numerical score (out of 100 points) to your grade on a 4.0 scale, use the following formula:

$$\text{Grade on 4.0 scale} = \max\left(0, 3 + \frac{\text{numerical score} - 70}{20}\right).$$

The median numerical score for this exam was 70, which corresponds to a grade of 3.0 or a letter grade of B.

Numerical score	Grade	Numerical score	Grade
0	0	60	2.5
10	0	65	2.75
20	0.5	70	3.0
30	1.0	75	2.25
35	1.25	80	3.5
40	1.5	85	3.75
45	1.75	90	4.0
50	2.0	95	4.25
55	2.25	100	4.5

The letter grade which corresponds to your score out of 4.0 can be found using the following table:

Letter Grade	A+	A	A-	B+	B	B-
Grade range on 4.0 scale (± 0.1667)	4.33	4.0	3.66	3.33	3.0	2.66
Letter grade	C+	C	C-	D +	D	D -
Grade range on 4.0 scale (± 0.1667)	2.33	2.0	1.66	1.33	1.0	0.66

For example, a score of either 3.1 or 2.9 would fall in the range 3.0 ± 0.1667 and would therefore correspond to a B. A score of 3.83 would fall in the range 4.0 ± 0.1667 and corresponds to a letter grade of A. A letter grade of E corresponds to a score of less than 0.50.