

MATH 162 FALL 2024 MIDTERM 1 GRADING SCHEME

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

$$\text{Grade on 4.0 scale} = \max\left(0, 3 + \frac{5(\text{numerical score} - 81)}{72}\right).$$

The median numerical score for this exam was 81, which corresponds to a grade of 3.0 or a letter grade of B.

Numerical score	Grade	Numerical score	Grade
0	0	60	1.54
10	0	65	1.89
20	0	70	2.24
30	0	75	2.58
35	0	80	2.93
40	0.15	85	3.28
45	0.50	90	3.63
50	0.85	95	3.97
55	1.19	100	4.32

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 ( $\pm 0.1667$ )	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 ( $\pm 0.1667$ )	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  $3.0 \pm 0.1667$  and would therefore correspond to a B. A score of 3.83 would fall in the range  $4.0 \pm 0.1667$  and corresponds to a letter grade of A. A letter grade of E corresponds to a score of less than 0.50.