Q1: Calculate the grade a 220 student will qualify for if his/her exam scores are as follows:
   Exam 1 score: 19 out of 25 (= 76%)
   Exam 2 score: 18 out of 25 (= 72%)
   Final Exam score: 28 out of 40 (= 70%)
   Score for homework submissions: 8 out of 10.

Q2: Same as question 1, but with a Final Exam score of 34 out of 40 (= 85%).

Q3: Same as question 2, but assume the student missed Exam 1 (instead of scoring 19 on that exam) and only scored 6 out of 10 for homework submissions.

ANSWERS:

Q1: As the student did worse percentagewise on the final than on either of the other exams, the 25/40 rule makes no difference! So:

- total exam score = 19 + 18 + 28 = 65
- total exam score + hw score = 65 + 8 = 73
- (total exam score) * 100/90 = 6500 / 90 = 72.22
- m = max(73,72.22) = 73

The 220 student qualifies for a grade of C+.
(A 620 student with the same scores would only qualify for a grade of C.)

Q2: If a student does better percentagewise on the final than on at least one of the other two exams, then (final exam score)*25/40 replaces one (the lower) of the other two exam scores. In this example (final exam score)*25/40 = 34*25/40 = 21.25 and so:

- total exam score = 19 + 21.25 + 34 = 74.25
- total exam score + hw score = 74.25 + 8 = 82.25
- (total exam score) * 100/90 = 7425 / 90 = 82.5
- m = max(82.25,82.5) = 82.5

The student qualifies for a grade of B.

Q3: Missing Exam 1 is equivalent to scoring 0 on that exam. However, this 0 will be replaced by (final exam score)*25/40 = 34*25/40 = 21.25. So:

- total exam score = 21.25 + 18 + 34 = 73.25
- total exam score + hw score = 73.25 + 6 = 79.25
- (total exam score) * 100/90 = 7325 / 90 = 81.39
- m = max(79.25,81.39) = 81.39

The student qualifies for a grade of B.