**Weighted Averages and GPAs**

Please answer each question. Cleary identify your final answer!!

No work or explanation = No Credit

1. In college the only test and finals count towards your grade. In a Linear Algebra course the tests are worth 75% and the final is 25%. If a student has an 85 going into the final, and scores an 89 on the final what will the class grade be?
   1. Could this student have scored high enough on the final to get an A, if so what score?
2. A History class has the breakdown of grades as follows:

Quizzes…. 20%

Tests…. 60%

Final…. 20%

If a student has a 79 average for quizzes, an 87 average for tests and studied really hard and got a 93 on the final. What will the class grade be?

1. In the same History class, another student had an 87 quiz average, got 92, 87, 93 and 82 on the four tests and a 92 on the final. What is their class grade?
2. Mrs. Farmer and Ms. Henry both teach AMDM. On the 5 test you receive 76, 84, 65, 78, and 92. Your project average is an 87 and you score an 86 on the final. Using the two different grading systems which teacher would give you a better grade?

|  |  |  |
| --- | --- | --- |
| Farmer |  | Henry |
| Tests 50% |  | Tests 60% |
| Projects 25% |  | Projects 20% |
| Final 25% |  | Final 20% |

1. If you scored 5 more points on the final what is your new grade with each teacher?
2. Mrs. Aikhuele and Mr. Clayton both teach Geometry. Their grading systems are below.

|  |  |  |
| --- | --- | --- |
| Aikhuele |  | Clayton |
| Tests 40% |  | Tests 60% |
| Classwork 10% |  | Classwork 5% |
| Projects 25% |  | Projects 15% |
| Final 25% |  | Final 20% |

Jasmine’s grades are as follows:

|  |
| --- |
| Tests {96, 82, 78, 88, 91} |
| Classwork 91 |
| Projects 87 |
| Final 79 |

What is Jasmine’s grade under each teacher’s grading system?

1. Jasmine studies really hard for her final. Can she get an A in either class? If yes, what does she need on the final to get the A?
2. You are in Mr. Clayton’s class and your current grades are as follows:

|  |
| --- |
| Tests {77, 85, 62, 74, 82} |
| Classwork 89 |
| Projects 82 |

You are study hard for the final and end up with an 80 in the class. What was your grade on the final?

1. What is the GPA for the two students?

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Andrew | |  | Sam | |
| Literature | B |  | History | A |
| Math | C |  | Intro to Graphic Design | C |
| History | A |  | Literature | B |
| Intro to Graphic Design | A |  | Math | B |

Recalculate for Sam if his History and Literature classes were AP.

1. You have attempted 28 credits and your current GPA is 2.8. If this semester you are determined to make 2-As and 2-Bs. What will your final high school GPA be?