**Pre Calc** 6-2 Word Problem Practice WS

Rewrite the problems below using matrices and then use matrix multiplication to answer the question being asked.

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| 1. What is each student’s final grade? School Grades Data |
| 2. What is the Nutrition information for each blend? Cashew Problem |
| 3.  |  |
| 4. The first table below gives the number of three types of cars sold in January by two different dealers. The second table gives the profit for each type of car sold. Using matrix multiplication, which dealer made the most profit in the month of January and **by how much**?

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| --- | --- | --- |
|  | Dealer 1 | Dealer 2 |
| Compact | 18 | 15 |
| Mid-size | 24 | 17 |
| Full-size | 16 | 22 |

|  |  |  |  |
| --- | --- | --- | --- |
|  | Compact | Mid-size | Full-size |
| Profit | $400 | $650 | $900 |

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