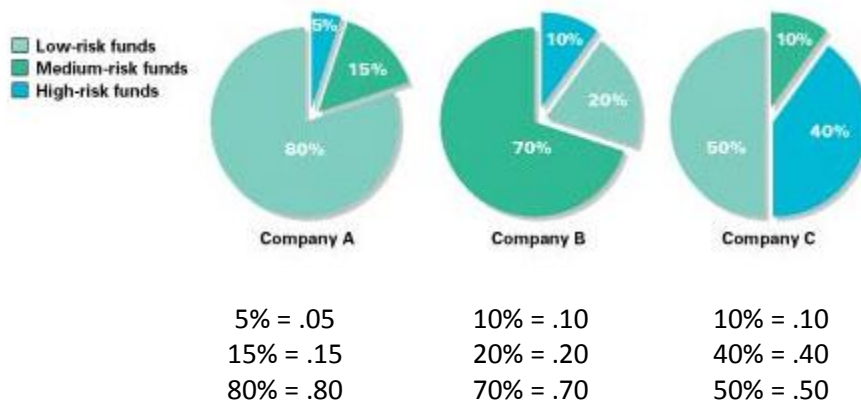


Name \_\_\_\_\_ Period \_\_\_\_\_

**Constructed Response #4 (2<sup>nd</sup> Marking Period)**

A brokerage firm invested in three mutual funds companies, A, B and C. The firm invested \$16,110 in low-risk funds, \$9016.25 in medium-risk funds, and \$5698.75 in high risk funds, distributed among the 3 companies shown below.



- Write a system of equations to find the amount invested in each company.
- Write a matrix equation that represents the system.
- Solve the matrix equation by using the inverse matrix.
- Explain how much each firm has invested in each of the funds.