Math 4 Honors Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Lessons 2-1 & 2-2 Learning Check Date \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Score: 0 0.5 1.0 1.5 2.0 2.5 3.0 3.5 4.0

*No Calculator*

***Use the following matrices for problems 1 – 4. Read each question and circle the best answer.***

  

1.  A.  B.  C.  D.  E. Not Possible or None of These

2.  A.  B.  C. 

D.  E. Not Possible or None of These

3.  A.  B. 

C.  D. 

E. Not Possible or None of These

4. Assuming it is not a singular matrix, which matrix is invertible? *M Q P*

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5. =

In numbers 6 – 9, use the below matrices to decide if the given matrix multiplication is possible. If it is possible, give the **dimension of the product matrix**. If it is not possible, **explain why**.

*YOU DO NOT HAVE TO MULTIPLY THE MATRICES!!!*

   

6.  7. 

8.  9. 

10. Given the below matrix equation, solve for *a* and *b*.



11. Given  Does ? Explain why or why not.