6. [10 points] A local organic farm sells chicken eggs. Consider the following functions.

- $G(k)$ is the number of eggs produced in a day when the farm has $k$ healthy chickens.
- $R(z)$ is the daily egg revenue (in dollars) the farm receives when it produces $z$ eggs that day.

Throughout this problem, assume that the functions $G$ and $R$ are invertible.

For each of the sentences (a)-(e) below, fill in the blank with the one expression from the list of “possible answers” given below that makes the statement true.

No work or explanation is necessary for this problem.

Possible Answers:

<table>
<thead>
<tr>
<th></th>
<th>$R^{-1}(10)$</th>
<th>$G(G(10))$</th>
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</thead>
<tbody>
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</tr>
</tbody>
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a. [2 points]
If the farm produced 10 eggs today, then its daily egg revenue today was __________ dollars.

b. [2 points]
If the farm produced 10 eggs today, then there were __________ healthy chickens.

c. [2 points]
Today the farm had 10 healthy chickens, so its daily egg revenue was __________ dollars.

d. [2 points]
If the farm produced $R^{-1}(10)$ eggs today, then its daily egg revenue was __________ dollars.

e. [2 points]
If the farm’s daily egg revenue today was $10, then there were __________ healthy chickens.