

AQS200 – Root Cause
Exercise 11c
Root Cause Elimination – SIT

Name: _____

Date: _____

Instructions:

1. Apply the SIT method to the problem provided below.

Problem

Apply the SIT method to celebrate Valentine’s Day in a more creative way.

Steps

1. Assemble a team representing all the knowledge possibly relevant to the problem in question, perhaps with as many as 10 to 12 members.
2. List all the components of the closed world of the problem, making sure to include components that might seem irrelevant.
3. Use the five SIT principles in sequence on the components to develop numerous ideas for problem solutions, employing sentences of the type, “An X type of component from the closed world will be used to prevent the problem from occurring.”

Principle	Description
Attribute Dependency	The most widely used template, considers changing a key variable of a product.
Component Control	Looks at the way a product is linked with its environment.
Replacement	Substituting part of a product with something from the product’s immediate environment.
Displacement	Considers improving a product’s performance by removing an intrinsic component.
Division	Simply aims to split one product’s attributes into two.

4. Assess the ideas generated and select those best suited for further elaboration.
5. Keep fleshing out the most promising ideas and developing one or more solutions that contain more detail.