Exercise

# Lean and Six Sigma

Read each of the below statements about Lean Manufacturing and Six Sigma, then determine if the statement is true or false.

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| True | False | Statement |
|  |  | 1. | Lean Six Sigma uses the DMAIC approach for project planning. |
|  |  | 2. | The first step in a Lean Six Sigma project is to either choose to do a Lean analysis or a Six sigma analysis. |
|  |  | 3. | The Lean Six Sigma approach is a principle based problem solving methodology, not a data based methodology. |
|  |  | 4. | One reason why Lean and Six Sigma work well together is that they both start with determining the customer value proposition with respect to the problem. |
|  |  | 5. | Lean Six Sigma uses statistical measures instead of process measures. |
|  |  | 6. | Lean Six Sigma follows a structured project management methodology. |
|  |  | 7. | A successful Lean Six Sigma project will often result in both improved quality and shorter cycle times from the process being improved. |
|  |  | 8. | Lean Six Sigma projects use the Six Sigma method for customer needs identification (CTQ) and the Lean Manufacturing method for controlling the improvement (Kanban). |
|  |  | 9. | Lean Six Sigma projects strive to eliminate both waste and variation. |
|  |  | 10. | The reason Lean and Six Sigma can be combined is because they are analyzing the same data in the same way, just using different terminology. |