

**Lean Six Sigma Practice Test 10**  
**(Answers)**

- 1) What significance level do Six Sigma practitioners commonly accept as a risk of committing Type I error:
  - a) 0.5
  - b) 0.005
  - c) 5
  - d) None of the above
  
- 2) A Lean Six Sigma team led by a Master Black Belt is trying to drastically reduce the time it takes to complete equipment changeovers at a car manufacturing factory. Which Lean Six Sigma tool is best suited for this objective?
  - a) SMED
  - b) Kanban
  - c) 5 S
  - d) U chart
  
- 3) A Green Belt is tasked by a supervising Black Belt to determine whether 4 types of defects occur independently of 3 classes of products. Which test is the Green Belt likely to use?
  - a) ANOVA
  - b) Contingency tables
  - c) Two-way ANOVA
  - d) Lavene's test
  
- 4) In a normally distributed data 1 standard deviation on each side of the mean would include \_\_\_\_\_ of the total data?
  - a) 68.2%
  - b) 95.4%
  - c) 99.7%
  - d) 34.1%
  
- 5) In the Lean Six Sigma DMAIC methodology the following is normally used in the "measure" phase?
  - a) Failure Mode and Effects Analysis (FMEA)
  - b) Kaizen Blitz
  - c) Measurement Systems Analysis (MSA)
  - d) Benchmarking