

# SREB

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**Integrated Production  
Technologies -  
Course 4**

Code: 9039

# **INTEGRATED PRODUCTION TECHNOLOGIES –**

## **COURSE 4**

**Test Code: 9039**

**Version: 01**

### **Specific Competencies and Skills Tested in this Assessment:**

*Information about the AC course standards can be found in the front of the AC course teacher guide.*

#### **CTE**

- 1 b CTE
- 1 c CTE
- 1 f CTE
- 3 g CTE
- 3 I CTE
- 3 I CTE
- 4 b CTE
- 4 d CTE
- 4 e CTE

#### **Literacy**

- RST 11-12.1 Literacy
- RST 11-12.2 Literacy
- RST 11.12.2 Literacy
- RST 11-12.4 Literacy
- RST.11-12.6 Literacy
- RST.11-12.10 Literacy

***Integrated Production Technologies – Course 4 (continued)***

**Math**

S-ID.4 Math  
S-MD.3 Math  
F-LE.4 Math  
F-BF.5 Math  
N-VM.1 Math  
N-VM.3 Math  
F-LE.5 Math  
G-MG.1 Math  
G-MG.3 Math  
S-ID.1 Math  
S-ID.2 Math  
S-ID.3 Math  
N-Q.1 Math  
A-CED.3 Math

**Science**

ETS 1-2 Science  
ETS 1-3 Science  
PS 2-1 Science  
PS 2-3 Science

***Integrated Production Technologies – Course 4 (continued)***

**Written Assessment:**

Administration Time: unlimited

Number of Questions: 71

***Areas covered:***

39%	CTE
20%	Literacy
21%	Math
20%	Science

***Sample Questions:***

When creating a CNC program to perform milling of a 3D part, which of the following are the dimensions that you must specify at each point on the milling path?

- A. A, B, and C
- B. XX, YY, and ZZ
- C. AA, BB, and CC
- D. X, Y, and Z

Describe the two-dimensional shapes that are used to create the three-dimensional shape of a cylinder (examples: soup can, coke can).

- A. A rectangle
- B. Three circles
- C. Two non-congruent circles and a rectangle
- D. Two congruent circles and a rectangle

What test should be used to gather data on materials to be used for building a work piece?

- A. Elasticity test.
- B. Flexural stress test.
- C. Deformation test.
- D. 3-point bending test.