

Engin 103
December 13, 2011

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Sample review questions. You should also review the logbook questions as preparation for the final exam. Remember you need to present the logbook upon arrival to take the final exam.

What of these five options best describe one or more differences between science and engineering?

- A Calculus versus algebra
- B Experiments versus theory
- C Focus on understanding Nature versus focus on building a practical system
- D Approximation versus precision
- E General versus specific

Six steps of a supply chain are: 1) Raw materials processing 2) Components manufacturing 3) Product assembly 4) Transportation 5) Sales centers 6) End customer. In a supply chain for cell phones, what of the following engineering fields has the least to do with supply step #6?

- A Civil Engineering
- B Biomedical Engineering
- C Mechanical Engineering
- D Electrical Engineering
- E Geological and Geophysical Engineering

How many guesses should I enter into column 3 of the spreadsheet if I would like to implement a quadric model (fourth order polynomial)

- A 1
- B 3
- C 2
- D 4

E	5
	<p>If I use only the highest order term of a polynomial, increasing the polynomial order will lower the minimized s parameter.</p> <p>A True</p> <p>B False</p>
	<p>Look at equations (2)-(4) for the potentials V2-V4 in Circuit Analysis with LabVIEW III. The sub-Vi V_next can be used to calculate V2. Can we use it to calculate V4 and V6 as well?</p> <p>A Yes</p> <p>B No</p>
	<p>A very common error when implementing a Case Structure is</p> <p>A Undefined variable</p> <p>B Missing assigned tunnel</p> <p>C Missing semicolon at the end of the formula</p> <p>D Content of the True and False windows are not the same</p> <p>E Missing a string constant</p>
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	<p>LOGBOOK: example of a logbook page</p> <p>-Use a quadrille notebook; number all pages; date all entries</p> <p>-Write your notes for all activities, thoughts, problems and solutions, and learning conclusions related to Engin 103. You should write down progress, outcomes, and conclusions on projects and teamwork; conclusions from class work (including</p>

LabVIEW) and homework.

-In addition you should answer in the logbook all questions listed in these notes in blue, as shown below:

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