

Introduction to MasteringEngineering

Due: 11:59pm on Saturday, February 4, 2023

You will receive no credit for items you complete after the assignment is due. [Grading Policy](#)

A Welcome to Mastering!

Mastering presents homework items assigned by your instructor and works with you to answer them. Homework items typically have an introduction, possibly figures, and one or more parts for you to answer.

The purpose of the following exercises is to familiarize you with the system you will be using for the rest of your course. These exercises are not intended to teach or test your knowledge of any specific subject material. Therefore, you will not be penalized for using hints or submitting incorrect answers.

Grading

In a graded homework item, each part counts equally toward your score on the overall item. You may lose a fraction of the credit for a part when you submit an incorrect answer. Whether you do lose credit and how much you lose are set by your instructor. However, you won't lose credit for most types of formatting mistakes or for submitting a blank answer. You can find more information about how your instructor is grading you by selecting your instructor's **Grading Policy**, which can be found at the top of each assignment page. As you might expect, you will receive no credit for a part if you use the **Request Answer** button. If you just can't figure out a question, there may be a way to get partial credit by using hints, as the following part will illustrate. Also, note that for problems with hints, the option of requesting the answer is not available until you have viewed at least one hint.

Part A

What is the magic number in ? You could try to guess the magic number but you would probably use up all your tries before getting the correct answer. Notice the **View Available Hint(s)** link underneath the question statement for this part. Selecting this link will open up a list of hints that will guide you to the correct number.



Hint 1. How to approach the problem

Notice that there are two hints for this question. You are not required to use all of the hints or to use them in order. Each hint has a tagline that describes its contents. Based on the tagline you can decide whether or not a particular hint will be useful to you. Your instructor may choose to give you a bonus for not using hints or to deduct a small penalty for using hints. If you are stuck, using the hints will usually result in a higher score than simply trying to guess because you may lose fewer points for opening a hint than for getting the answer to the main question incorrect.

To help you, the magic number is equal to $10 - x$, where x is a number between 1 and 8. Now, open up the second hint to uncover the value of x .

Hint 2. What is x ?

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R. C. Hibbeler



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