



# FREE SIX SIGMA PRACTICE EXAMS & LEAN STUDY GUIDE

PASS YOUR CERTIFICATION EXAM THE FIRST TIME!  
WITH [SIXSIGMASTUDYGUIDE.COM](https://www.sixsigmastudyguide.com)

# TABLE OF CONTENTS

- Introduction
- The Six Sigma Lean Study Guide Method
- Free Six Sigma Practice Question Links
- Free On-Line Practice Questions
- Coming soon!
- Closing



# SOUND LIKE YOU?

“My biggest challenge is trying to develop a strategy and finding online practice questions for the exam.”

“How do I narrow down the topics to make studying for exam effective?”

“My time is rather limited so I would like a lean study plan to do the job.”

“Where do I find the time to study all of this?”

I've coached and surveyed THOUSANDS of Six Sigma certification applicants and these are some of the most-common themes when asked about studying.

# SIX SIGMA CERTIFICATION EXAMS ARE HIGH-PRESSURE SITUATIONS!

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Certification may be:

A current job requirement

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A necessary step in your career (or a way in to a new career!)

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A way to increase your value (and salary) to your clients & company.

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# WARNING! THIS GUIDE IS FOR THOSE WHO HAVE STUDIED SIX SIGMA ALREADY!

This study method is for people who have already made an attempt to study and learn Six Sigma concepts and are ready to pursue a certification.

If you are just starting out on your Six Sigma journey, I would suggest you start here on the article I made about Learning Six Sigma and then follow up with this article I wrote for ASQ, How can someone starting out in quality succeed?



# IN ORDER TO DO AS WELL AS POSSIBLE YOU MUST:

Know the concepts well.

Become familiar with the kinds of questions.

Be familiar with allowed reference materials.

Know which answer to select when presented with similar options.

Answer questions correctly in limited time.

# THIS GUIDE IS HOW I DID IT

I've passed the **Six Sigma Green Belt** certification, the **Villanova Six Sigma Black Belt Certification** and the **ASQ Black Belt certification**. I've also personally coached dozens in person and thousands on-line for those exams and others (Ex. IASSC).

This is my method.

PS. If you want to see longer descriptions of exactly what I did personally, please see the following articles:

- [How I Passed the ASQ Six Sigma Black Belt Certification on the First Try](#)
- [How I Passed the Villanova Six Sigma Black Belt Certification on the First Try](#)

# LEAN STUDY GUIDE FOR SIX SIGMA CERTIFICATIONS

You must prioritize your time.

Assess your strengths and weaknesses.

Focus on the areas that will get you the most points.

Master the questions you are most likely to see on exam day.



# YOU MUST PRIORITIZE YOUR TIME.

Nothing happens without a commitment.

I get it. I've been there. You have a full-time job. You have a family. And then on top of it all you need to set aside studying time. It's almost impossible.

Personally, I woke up early to review, studied during lunch hours, and scheduled 15 minute mini-review sessions through out my work day on select topics. I would practice dozens of questions each night after I had dinner with the family and put the kids to bed.

Time management is difficult. Find out what works for you and make it happen!

**Once we get time to study, we want to make sure we use it as wisely as possible!**

# ASSESS YOUR STRENGTHS AND WEAKNESSES.

This is my exercise for determining where to spend those scarce and precious study hours.

**First, let's determine what they are testing you on.**

Each exam publishes a Body of Knowledge (BOK) that tells you roughly what will be tested and how much each section is weighted. While each exam is different, they by-and-large test the same things.

See the next 2 pages for a recent breakdown of the ASQ and IASSC Green Belt and Black Belt exams based off of their publically-published materials.

(Note: If you are not sure about your exam's question breakdown, default to ASQ.)

# IASSC VS ASQ GREEN BELT BOK

ASQ Green Belt	Percentage of Exam	IASSC Green Belt	Percentage of Exam
Overview: Six Sigma and the Organization (Includes Lean & DFSS overviews)	15%	<i>Define Phase</i> (Includes Lean overview but not DFSS)	20%
Six Sigma – <i>Define</i>	25%		
Six Sigma – <i>Measure</i>	30%	<i>Measure Phase</i>	20%
Six Sigma – <i>Analyze</i>	15%	<i>Analyze Phase</i>	20%
Six Sigma – <i>Improve &amp; Control</i>	15%	<i>Improve Phase</i>	20%
		<i>Control Phase</i>	20%

# IASSC VS ASQ BLACK BELT BOK

ASQ Black Belt	Percentage of Exam	IASSC Black Belt	Percentage of Exam
Define (NOT Including Lean - see Improve phase)	10%	<i>Define Phase (Including Lean)</i>	20%
Enterprise-Wide Deployment	6%		
Organizational Process Management and Measures	6%		
Team Management	11%	NA	NA
Measure	17%	<i>Measure Phase</i>	20%
Analyze	16%	<i>Analyze Phase</i>	20%
Improve (Including Lean)	15%	<i>Improve Phase</i>	20%
Control [21 Questions]	14%	<i>Control Phase</i>	20%
Design for Six Sigma (DFSS) Frameworks and Methodologies	5%	NA	NA

# NOW GET A BASELINE OF YOUR KNOWLEDGE

Get a baseline score per section by taking an example test and scoring by section.

There is no published passing score for the exams. Anecdotal evidence suggests getting a **score of above 80% gives you an excellent chance of being certified**. For practice exams, I **suggest no less than 90%**.

**Next step:** Take a practice exam & calculate results by section.

See **Appendix 1** for a list of free question banks.

See **Appendix 2** for my free on-line option via Six Sigma Study Guide.

# LIST YOUR BASELINE SCORES BY SECTION

We can use the Six Sigma concepts of baseline scores to get an idea of a candidate's problem areas.

**Step 1:** Enter your baseline scores by section into a grid like so.

ASQ Green Belt	Percentage of Exam	Your Baseline Score		
		Questions answered incorrectly	Total questions	Percentage answered incorrectly
Overview: Six Sigma and the Organization (Includes Lean & DFSS overviews)	15%	1	4	25%
Six Sigma – Define	25%	2	5	40%
Six Sigma – Measure	30%	1	6	17%
Six Sigma – Analyze	15%	3	5	60%
Six Sigma – Improve & Control	15%	1	5	20%
		8	25	32%

Baseline score of (100-32) is a 68%. This candidate is unlikely to pass certification. Let's prioritize the sections and create a Lean Study Plan!

# MAKE A PRIORITIZATION MATRIX

**Step 2:** Build out the prioritization matrix by adding a weighting section.

ASQ Green Belt	Percentage of Exam	Your Baseline Score			Section order weighting
		Questions answered incorrectly	Total questions	Percentage answered incorrectly	
Overview: Six Sigma and the Organization (Includes Lean & DFSS overviews)	15%	1	4	25%	1
Six Sigma – Define	25%	2	5	40%	0.9
Six Sigma – Measure	30%	1	6	17%	0.8
Six Sigma – Analyze	15%	3	5	60%	0.7
Six Sigma – Improve & Control	15%	1	5	20%	0.6
		8	25	32%	

I like to weight by context where sections earlier in the BOK get weighted higher as they provide context to all of the concepts of Six Sigma, but you can apply any weighting you want.

# FOCUS ON THE GREATEST AREA OF OPPORTUNITY

**Step 3:** Multiply the Percentage of exam column by the Percentage incorrect column and by the weighting column for a prioritization score for each exam category.

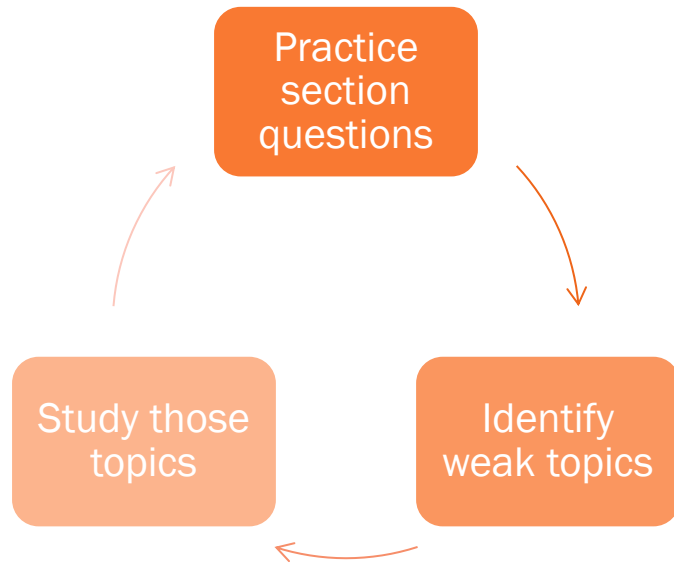
ASQ Green Belt	Percentage of Exam	Your Baseline Score					
		Questions answered incorrectly	Total questions	Percentage answered incorrectly	Section order weighting	Prioritization #	Study order
Overview: Six Sigma and the Organization (Includes Lean & DFSS overviews)	15%	1	4	25%	1	0.038	4
Six Sigma – Define	25%	2	5	40%	0.9	0.090	1
Six Sigma – Measure	30%	1	6	17%	0.8	0.040	3
Six Sigma – Analyze	15%	3	5	60%	0.7	0.063	2
Six Sigma – Improve & Control	15%	1	5	20%	0.6	0.018	5
		8	25	32%			

In this example, the candidate should work the Define section first as it is the most likely to give him or her the greatest Return on Investment of study time! The Analyze section would be second.



# MASTER THE QUESTIONS YOU ARE MOST LIKELY TO SEE ON EXAM DAY.

Gain exposure to as many targeted problem sets as possible.



Continuing our previous example, the candidate should seek out to master as many Define section practice questions as possible to narrow down specific weak areas.

Then, he or she should study those topics and continue taking practice questions in that section until mastery is achieved.

# TIP FOR STUDYING SECTIONS

SixSigmaStudyGuide.com has an extensive (and growing!) list of condensed study guides available on-line for free. Just use the search box on the right hand side of the website or check out any of these popular guides:

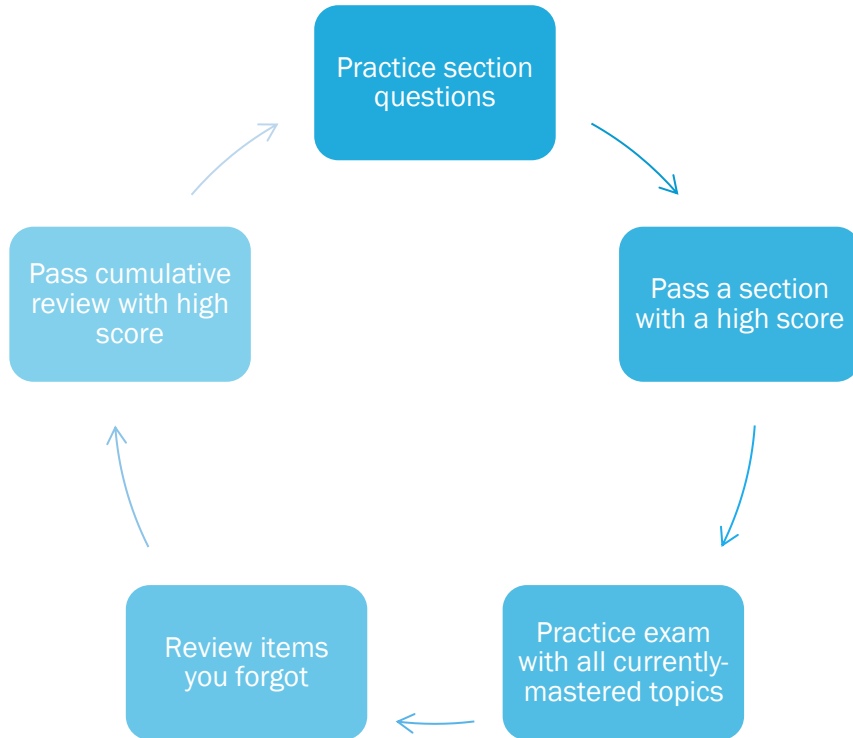
- [Six Sigma Roles & Responsibilities](#)
- [History and Founding Fathers of Quality](#)
- [Design of Experiments](#)
- [Control Charts](#)
- [Lean Concepts](#)
- [Hypothesis Testing](#)

And there are hundreds of other free articles available. If you can't find what you are looking for, let me know.



# FOR BEST RESULTS DO CUMULATIVE REVIEW

Gain exposure to as many targeted problem sets as possible.



## Continuing our Example:

- The prioritization matrix shows that my greatest improvement area is was the Define section.
- I study the Define Phase until I can pass a series of questions from that section with a high score.
- Next, I take a practice exam that includes all of the sections that come before Define.
- This ensures a good foundation and retention of earlier materials.

# REPEAT FOR SUCCESS!

This process has worked for hundreds of Six Sigma certification candidates. Give it a try, I'm sure it will work for you.

**I wish you the best of luck.** If you have any questions, please leave a comment on any page of [SixSigmaStudyGuide.com](http://SixSigmaStudyGuide.com), [leave a note in our forums](#), or [contact me any time here](#).



# APPENDIX: FREE BASIC QUESTION BANKS

## General Six Sigma Questions

<http://asqaustin.org/wp-content/uploads/2012/11/asq-certification-exam-pass-rate.pdf>

## Free Six Sigma Yellow Belt Practice Exams

[http://www.peoplecert.org/en/Test-Takers/Lean\\_Six\\_Sigma/IASSC\\_Lean\\_Six\\_Sigma\\_Certifications/Documents/PeopleCert\\_Six\\_Sigma\\_YellowBelt\\_SamplePaper\\_v1.pdf](http://www.peoplecert.org/en/Test-Takers/Lean_Six_Sigma/IASSC_Lean_Six_Sigma_Certifications/Documents/PeopleCert_Six_Sigma_YellowBelt_SamplePaper_v1.pdf)

**Note:** Tests may be cumulative. Candidates for higher belts should make use of question banks from the lower belts. Ex Black belt candidates should also use green belt questions.

# APPENDIX: FREE GREEN BELT QUESTION BANKS

## Free Six Sigma Green Belt Practice Exams

- <http://asq.org/cert/resource/pdf/sample-exam/ssgb-sample-exam.pdf>
- <http://asq.org/six-sigma-training/greenbelt/ready.html>
- <http://www.cordatus.ie/six-sigma-green-belt-test/>
- <http://www.howardgitlow.com/Sample%20Green%20Belt%20Examination%20Questions.pdf>
- [http://www.peoplecert.org/de/Lean\\_Six\\_Sigma/Lean\\_Six\\_Sigma\\_Zertifizierungen/Documents/PeopleCert\\_SixSigma\\_GreenBelt\\_SamplePaper\\_v1.pdf](http://www.peoplecert.org/de/Lean_Six_Sigma/Lean_Six_Sigma_Zertifizierungen/Documents/PeopleCert_SixSigma_GreenBelt_SamplePaper_v1.pdf)
- [http://www.peoplecert.org/en/Test-Takers/Lean\\_Six\\_Sigma/IASSC\\_Lean\\_Six\\_Sigma\\_Certifications/Documents/PeopleCert\\_SixSigma\\_GreenBelt\\_SamplePaper\\_v1.pdf](http://www.peoplecert.org/en/Test-Takers/Lean_Six_Sigma/IASSC_Lean_Six_Sigma_Certifications/Documents/PeopleCert_SixSigma_GreenBelt_SamplePaper_v1.pdf)
- <https://elms.faa.gov/skillsoft/cbtlib/TPSSGB/metadata/eng/TPSSGB.htm>
- <https://quizlet.com/39215914/quality-test-2-flash-cards/>
- [http://www.academia.edu/14599695/Lean\\_Six\\_Sigma\\_Green\\_Belt\\_test\\_exam\\_70\\_Q\\_A](http://www.academia.edu/14599695/Lean_Six_Sigma_Green_Belt_test_exam_70_Q_A)

# APPENDIX: FREE BLACK BELT QUESTION BANKS

## Free Six Sigma Black Belt Practice Exams

- <http://asq.org/cert/resource/docs/2009-06-ssbb-rev-2-col-sample-exam.pdf>
- <https://secure.asq.org/sampleexam/> (Must be an ASQ Member)
- [http://www.peoplecert.org/en/Test-Takers/Lean Six Sigma/IASSC Lean Six Sigma Certifications/Documents/PeopleCert SixSigma BlackBelt SamplePaper v2.pdf](http://www.peoplecert.org/en/Test-Takers/Lean_Six_Sigma/IASSC_Lean_Six_Sigma_Certifications/Documents/PeopleCert_SixSigma_BlackBelt_SamplePaper_v2.pdf) (IASSC Black Belt)
- <http://www.practicequiz.com/six-sigma-black-belt-exam-prep/questions>

## Free Similarly Comparable (Body of knowledge and difficulty level) Six Sigma Practice Exams

- <https://secure.asq.org/perl/msg.pl?prvurl=http://asq.org/pdf/certification/sample-exam/cmi-sample-exam.pdf> (Some portions of Body of Knowledge)
- <https://secure.asq.org/perl/msg.pl?prvurl=http://asq.org/pdf/certification/sample-exam/cqt-sample-exam.pdf> (Reasonable portion of Body of Knowledge)
- <http://www.sixsigmatrainingfree.com/practice-exams.html>

# APPENDIX: FREE ON-LINE SYSTEM

There sure are a lot of manual steps in this Lean Study approach!  
Can you make it easier?

**WHAT IF THERE WAS A WAY TO DO ALL OF THIS  
EFFORTLESSLY?**

**HINT: THERE IS. [YOU CAN SKIP AHEAD TO TRYING OUT THIS SYSTEM HERE.](#)**



# WOULD THIS HELP?

A free practice test system that:

100% on-line. Study on any device, anywhere.

Saves and reports your answers.

Analyzes your biggest problem areas.

Explains in detail why each answer is correct or why it is not.

Provides recommendations on what to review.

Provides a way to drill into specific problem-area topics.

**I THOUGHT SO, SO I BUILT ONE!**





# **INTRODUCING THE SIXSIGMASTUDYGUIDE.COM ON-LINE FREE PRACTICE EXAMS!**

SIXSIGMASTUDYGUIDE.COM  
PASS YOUR CERTIFICATION EXAM THE FIRST TIME!

# CREATE A FREE ACCOUNT OR LOG IN

The image shows a browser window with the URL [www.sixsigmastudyguide.com](http://www.sixsigmastudyguide.com). The website has a dark grey navigation bar with links for Home, Blog, Contact Six Sigma Study Guide, and New? Start Here. Below this is the logo for 6σSTUDY GUIDE .COM, which features a stylized book icon. A secondary navigation bar contains links for STUDY GUIDES, PRACTICE EXAMS, FORUMS, RESOURCES, CREATE FREE ACCOUNT, and LOGIN. The 'CREATE FREE ACCOUNT' link is highlighted in yellow. A blue callout box with the text 'Click here!' points to this link. To the right, there are two article teasers: 'How I Passed the ASQ Six Sigma Black Belt Exam' and 'Sigma Black Belt Exam on the First Try'. The bottom of the page features a blue and orange geometric design.

# SELECT THE EXAM YOU WANT TO TAKE


Module 1	Six Sigma Forums	
The General Membership forums where you can discuss all things Six Sigma (and several things that are not!)		
Unit 1	<a href="#">General Six Sigma Study Guide Membership Forum</a>	<input type="radio"/>
Module 2	Quizzes	
Take our free quizzes to help identify your strengths and weaknesses on popular exams. Use that knowledge to plan an effective course of study.		
Unit 1	<a href="#">ASQ Black Belt Practice Exam</a>	<input checked="" type="radio"/>
Module 3	Free Tools and Downloads	
Free Six Sigma tools and downloads that can help you master the material and pass your exam.		
Unit 1	<a href="#">Six Sigma Roles and Responsibilities Graphic</a>	<input type="radio"/>
Unit 2	<a href="#">Z Score to Bell Curve Percentages</a>	<input type="radio"/>
Unit 3	<a href="#">Hypothesis Testing Decision Tree</a>	<input type="radio"/>

Click here!

# TAKE THE EXAM

ASQ Black Belt Assessment Quiz

Question 1 of 75

 179 mins 54 secs

Question #1: The primary factor in the successful implementation of six sigma is to have

[Answer Later...](#)

- the necessary resources
- the support and leadership of top management
- explicit customer requirements
- a comprehensive training program

[Save & Next Question >>](#)



# REVIEW YOUR SCORES

Each question is reviewed along with an explanation of the answer and links to extensive free articles about that topic so you can bookmark them for study.

## Correct Answers for: ASQ Black Belt Assessment Quiz

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Question #1: The primary factor in the successful implementation of six sigma is to have

✔ **Correct**

**Your Answer:** the support and leadership of top management

**Correct Answer:** the support and leadership of top management

**Other Possible Answers:**

- the necessary resources
- explicit customer requirements
- a comprehensive training program

**Explanation:** Answer: (B) the support and leadership of top management. Since they control all of the resources and the strategic direction of the company, senior management buy-in is essential. Without it, options a and d are irrelevant. Option c, explicit requirements and voice of client, are essential for a successful project but you don't get to do many projects if senior management isn't interested in making it all happen. See articles about: [Six Sigma Critical Success Factors](#) and [Voice of Customer](#)

# RESULTS ARE SORTED BY EXAM SECTION

Prioritize the areas you need the most help with.

✔ You have now completed this unit.

You got 58 out of 75 questions (77%) correct! You have now completed this unit.

Download Results

You have had 3 previous attempts at this quiz.

ASQ BB Enterprise Deployment: 5 out of 5 correct (100%)  
ASQ BB Organizational Process Management and Measures: 2 out of 3 correct (66%)  
ASQ BB Team Management: 9 out of 10 correct (90%)  
ASQ BB Define: 6 out of 7 correct (85%)  
ASQ BB Measure: 10 out of 15 correct (66%)  
ASQ BB Analyze: 11 out of 14 correct (78%)  
ASQ BB Improve: 11 out of 13 correct (84%)  
need explanation: 1 out of 1 correct (100%)  
ASQ BB Control: 3 out of 7 correct (42%)  
ASQ BB DFSS: 1 out of 1 correct (100%)

The recommended grade for this quiz is 90% (and your grade is 77%). The course instructor has allowed you to retake this quiz if you wish to improve your grade.

Retake Quiz



# TAKE THE EXAMS AS OFTEN AS YOU LIKE.

The recommended grade for this quiz is 90% (and your grade is 77%). The course instructor has allowed you to retake this quiz if you wish to improve your grade.

[Retake Quiz](#)

# YOU CAN EVEN DOWNLOAD A PDF OF THE RESULTS!

✓ You have now completed this unit.

You got 58 out of 75 questions (77%) correct! You have now completed this unit.

Download Results

You have had 3 previous attempts at this quiz.

ASQ BB Enterprise Deployment: 5 out of 5 correct (100%)  
ASQ BB Organizational Process Management and Measures: 2 out of 3 correct (66%)  
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ASQ BB Analyze: 11 out of 14 correct (78%)  
ASQ BB Improve: 11 out of 13 correct (84%)  
need explanation: 1 out of 1 correct (100%)  
ASQ BB Control: 3 out of 7 correct (42%)  
ASQ BB DFSS: 1 out of 1 correct (100%)



# YOU CAN ALSO TAKE QUIZZES BY SECTION

Module 4	ASQ Black Belt Study Guides	
Collection of study guides for the 9 ASQ Body of Knowledge Topics		
Unit 1	<a href="#">Enterprise-wide Deployment</a>	<input checked="" type="checkbox"/>
Unit 2	<a href="#">Organizational Process Management and Measures</a>	<input type="checkbox"/>
Unit 3	<a href="#">Team Management</a>	<input type="checkbox"/>
Unit 4	<a href="#">Define</a>	<input type="checkbox"/>
Unit 5	<a href="#">Measure</a>	<input type="checkbox"/>
Unit 6	<a href="#">Analyze</a>	<input type="checkbox"/>
Unit 7	<a href="#">Improve</a>	<input type="checkbox"/>
Unit 8	<a href="#">Control</a>	<input type="checkbox"/>
Unit 9	<a href="#">Design for Six Sigma Study Guides</a>	<input type="checkbox"/>

# TAKING QUIZZES BY SECTION

Helps you focus on the sections that you need the most help with.

By focusing on a single section at a time, you have a much better chance at mastering it.

Once you have mastered one section, move to the next!

# COMING SOON!

Of course, the free member area isn't exhaustive. You would benefit from access to hundreds of questions and a strategic step-by-step system that helps you achieve mastery over each subject.

**If you're interested in being notified when the paid membership are available, please click on these links:**

[Click here to be notified when the Green Belt Study Guide is available for sale.](#)

[Click here to be notified when the Black Belt Study Guide is available for sale.](#)

# HAVE ADDITIONAL QUESTIONS?

There's a [free Six Sigma forum](#) that you can post any questions you have.

- Free study groups are forming there now!

**Are any of the articles not clear? Could they be better?**

- Just leave a comment on that page and I'll make an improvement!

# WHAT ELSE?

SixSigmaStudyGuide.com offers plenty of free resources to help you in your Six Sigma Journey

- Real-life application of Six Sigma principles.
- Thought-pieces by real-world practitioners that get the material out of the text books and into a real-world setting.
- Practical career tips that almost no one uses, but are incredibly effective!

# DID YOU FIND THIS GUIDE HELPFUL?

Please feel free to share [Six Sigma Study Guide](#) with a friend.

If others would like a copy of this guide, you may share it with them. However, please encourage them to download their own copy so the system puts them on our mailing list and they get a chance to fill out a survey that will help me better serve their unique needs.

If you received this PDF from a friend, [please fill out my survey and join my mailing list here](#) – I don't want you to miss out on the other goodies and free materials I send out! Six Sigma Study Guide.com resources have been demonstrated again and again to help people pass their exams and advance their careers.



# ROOM FOR IMPROVEMENT?

As you may have guessed, I'm obsessed with finding out what my audience needs and serving them. (See my audience survey!)

If there is anything I can help with or if there are errors or omissions you'd like to bring to my attention, please contact me here or leave a note on the forum.