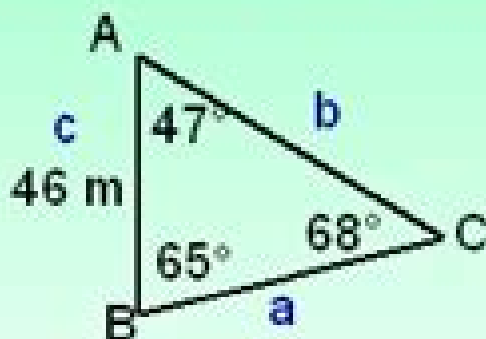


THE SINE LAW: WORD PROBLEMS

EXAMPLE 2

The town surveyor has to stake the lot markers for a new public park beside an existing building lot. The engineering department gave this sketch. How much chain-link fence will be needed to enclose the **entire** park?

Existing
Building
lot



For a

$$\frac{a}{\sin 47^\circ} = \frac{46}{\sin 68^\circ}$$

$$\frac{a \sin 68^\circ}{\sin 68^\circ} = \frac{46 \sin 47^\circ}{\sin 68^\circ}$$

$$a = \frac{46 \sin 47^\circ}{\sin 68^\circ}$$

$$a = \frac{46(0.7314)}{0.9272}$$

$$a = \frac{33.6444}{0.9272}$$

$$a = 36 \text{ m}$$

$$\frac{a}{\sin A} = \frac{b}{\sin B} = \frac{c}{\sin C}$$

$$\frac{a}{\sin 47^\circ} = \frac{b}{\sin 65^\circ} = \frac{46}{\sin 68^\circ}$$

Law Of Sines Word Problems With Solutions

Shasha Hu



Law Of Sines Word Problems With Solutions:

This book delves into Law Of Sines Word Problems With Solutions. Law Of Sines Word Problems With Solutions is an essential topic that must be grasped by everyone, ranging from students and scholars to the general public. The book will furnish comprehensive and in-depth insights into Law Of Sines Word Problems With Solutions, encompassing both the fundamentals and more intricate discussions.

1. This book is structured into several chapters, namely:
 - Chapter 1: Introduction to Law Of Sines Word Problems With Solutions
 - Chapter 2: Essential Elements of Law Of Sines Word Problems With Solutions
 - Chapter 3: Law Of Sines Word Problems With Solutions in Everyday Life
 - Chapter 4: Law Of Sines Word Problems With Solutions in Specific Contexts
 - Chapter 5: Conclusion
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 6. In chapter 5, the author will draw a conclusion about Law Of Sines Word Problems With Solutions. The final chapter will summarize the key points that have been discussed throughout the book.
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