

Trigonometry

Solving $\sin \theta = \frac{a}{b}$ Type Equations: 3 Cases

1. a is the numerator
2. a is the denominator
3. a is the hypotenuse

Draw Angles of Size 30° , 45°

How do you draw an angle of approximately 45° ?
 45° IS A HALF OF 90°

How do you draw an angle of approximately 30° ?
 30° IS A THIRD OF 90°
 90° IS TWO THIRDS OF 60°

Equation to Find Angle θ

Given the sides find the angle

$\sin \theta = \frac{a}{b}$

On your calculator:
 \sin^{-1}
is keyed in as
 \sin^{-1}

Exercise 10: x is the Angle - mixed

1 equation
1 solution

1 equation
1 solution

1 equation
1 solution

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Trigonometry With Digital Video Companion

Xiang Xie

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Trigonometry Charles P. McKeague,2000-08 The emphasis of the textbook is on understanding the definitions and principles of trigonometry and their application to problem solving Identities are introduced early in Chapter 1 They are reviewed often and are then covered in more detail in Chapter 5 Also exact values of the trigonometric functions are emphasized throughout the textbook There are numerous calculator notes placed throughout the text

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