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break it up into its x component

take the arctan of both sides of the equation

directed at an angle of 30 degrees above the x-axis

break it up into its x and y components

calculate the magnitude of the x and the y components

draw a three-dimensional coordinate system

express the answer using standard unit vectors

express it in component form

Introduction to Vectors - Introduction to Vectors by rootmath 544,797 views 12 years ago 6 minutes, 59 seconds - This will be a basic **introduction to vectors**,. **Vectors**, communicate 2 pieces of information, direction and length. Graphically we ...

LECTURE 1 VECTOR ANALYSIS , PRESENTATION OF VECTORS, ADDITION OF VECTORS, EQUAL VECTORS, DOT PRODUCT - LECTURE 1 VECTOR ANALYSIS , PRESENTATION OF VECTORS, ADDITION OF VECTORS, EQUAL VECTORS, DOT PRODUCT by Harmtedy C 10,569 views 2 years ago 50 minutes - FOR QUESTIONS ASK : WhatsApp +260960108064 Telegram +260960108064 OR Email : staticsmaths@gmail.com.

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 Directed Line Segment (Vector)
 Magnitude of a Vector
 Types of Vectors
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 Notation
 Scalar Operations
 Vector Operations
 Length of a Vector
 Unit Vector
 Dot Product
 Cross Product
 How To Find The Resultant of Two Vectors - How To Find The Resultant of Two Vectors by The Organic Chemistry Tutor 1,415,353 views 3 years ago 11 minutes, 10 seconds - This physics video **tutorial**, explains how to find the resultant of two **vectors**,. Full 31 Minute Video on Patreon: ...
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 Reference Angle
 Calculate the Y Component of F2
 Draw a Graph

Calculate the Magnitude of the Resultant Vector

Calculate the Hypotenuse of the Right Triangle

Calculate the Angle

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