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And
Solution

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Right Triangle
Word Problems -
Online Math
Learning

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The word problems involve right triangles formed by diagonals of rectangles, squares, and rhombuses, as well as ladders that lean against buildings, heights of fallen trees,

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distances
traveled, the
range of an
internet signal,
and the diagonal
of a rectangular
box.

Right triangle
word problems —
Basic example
(video ...

In the right
triangle ABC ,

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the side which is opposite to the angle 60° is known as opposite side (AB), the side which is opposite to 90° is called hypotenuse side (AC) and the remaining side is called adjacent side

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(BC). ... Word problems on sum of the angles of a triangle is 180 degree.

Sum of the
Angles of a
Triangle Word
Problems
This section
covers: Basic
Trigonometric
Functions (SOH-

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CAH-TOA)

Trigonometry

Word Problems

More Practice

You may have

been introduced

to Trigonometry

in Geometry,

when you had to

find either a

side length or

angle

measurement of a

triangle.

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Problems And

Solution

Trigonometry is basically the study of triangles, and was first used to help in the computations of astronomy.

Pythagorean

Theorem word

problems

Trigonometry

Word Problems 1)

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One diagonal of a rhombus makes an angle of 29° with a side of the rhombus. If each side of the rhombus has a length of 7.2 ", find the lengths of the diagonals. 2) An observer on a cliff 1200 feet above sea level

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sights two ships
due East. The
angles of
depression to
the ships are 48°
and 33° . What is
the distance ...

Right-Triangle
Word Problems
Solve word
problems that
involve general
triangles using

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trigonometry. If you're seeing this message, it means we're having trouble loading external resources on our website. If you're behind a web filter, please make sure that the domains *.kastatic.org and

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*.kasandbox.org
are unblocked.

Right Triangle
Word Problems -
Math Help
4-1 Right
Triangle
Trigonometry
Word Problems 1.
A ladder, 500 cm
long, leans
against a
building. If the

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angle between
the ground and
the ladder is 57
degrees, how far
from the wall is
the bottom of
the ladder?

Round the answer
to the nearest
tenth. 2.

Solve Right
Triangles 4 word
problem

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Right triangle
word problems —

Harder example

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to provide a
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organization.

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Worksheet with
Answers

Combining your
skills with
similar
triangles,
trigonometry and
the Pythagorean
Theorem, you are
ready to tackle
problems that
are connected to

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Problems And

Solution.

more real world scenarios. The situations you will be examining will be specifically related to right triangles, and you will be using our three main trigonometric functions.

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Right Triangle
Trigonometry -
She Loves Math
Dr. Neal, WKU
MATH 117 Right
Triangle Word
Problems Here we
shall consider
various word
problems that
provide some
physical
applications of
the right-

Access Free Right Triangle Word Problems And triangle trig formulas.

Dr. Neal, WKU
MATH 117 Right
Triangle Word
Problems
The known data
for a right
triangle ABC is
 $b = 3$ m and $B =$
 54.6° . Solve the
triangle.

Exercise 3. The

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known data for a
right triangle

ABC is $a = 6$ m
and $b = 4$ m.

Solve the
triangle.

Exercise 4. The
known data for a
right triangle

ABC is $b = 3$ m
and $c = 5$ m.

Solve the
triangle.

Exercise 5. A

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tree 50 m tall
casts a shadow
60 m long.

Right triangle
word problem
(video) | Khan
Academy

Right Triangle
Word Problems -
Basic Example A
builder needs to
add cross braces
to a 3.5 meter

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Triangle Word
Problems And
Solution

(m) by 5 m
opening between
supports in a
building, as
shown in the
figure above.
Which of the
following is the
closest to the
length of one of
the cross
braces?

4-1 Right

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Triangle

Trigonometry WS

Using

Trigonometry to

solve a word

problem

including right

triangles and

the angle of

elevation when

at least one

side of the

triangle is

given and either

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another side or one of the acute angles.

Right triangle word problems (practice) | Khan Academy
Right triangle word problem. A ramp with a 30 degree angle from the ground is to be built

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up to a 2 foot
high platform.

What will be the
length of the
ramp? How far
from the
platform will it
extend to the
nearest inch?

Right Triangle
Word Problems |
Superprof
Another major

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class of right-
triangle word
problems you
will likely
encounter is
angles of
elevation and
depression....

[Top](#) | [Return to
Index](#)

General triangle
word problems
(practice) |

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Khan Academy

Pythagorean

Theorem word
problems ?The

Pythagorean

Theorem states
that the square
of the

hypotenuse is
equal to the sum
of the square of
the other two
legs in a right
triangle.

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Right Triangle
Word Problems
And

Right triangle
word problem.

Angles of
elevation and
depression.

Practice: Right
triangle word
problems. This
is the currently

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selected item.

Right triangle
trigonometry
review. Next
lesson.

Trigonometric
ratios &
similarity.

Angles of
elevation and
depression.

Right triangle
trigonometry
review.

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Trigonometry -
Word Problems -
MathBitsNotebook
(Geo - CCSS ...

Problem 3 : In a right triangle, apart from the right angle, the other two angles are $x + 1$ and $2x + 5$. find the angles of the triangle. ...

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Word problems on sum of the angles of a triangle is 180 degree.

Word Problems
Using Right
Triangles
[Video]

Right triangle
word problem.
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Angles of
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Practice: Right
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trigonometry
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lesson.

Trigonometric
ratios &
similarity.

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Solution
Tags. Word
problems Trig
ratios (sine,
cosine, tangent)
Video
transcript.

Applications of
Right Triangles
and Trig
Functions
Triangle
questions
account for less

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than 10% of all SAT math questions. That being said, you still want to get those questions right, so you should be prepared to know every kind of triangle: right triangles, isosceles triangles,

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isosceles right triangles—the SAT could test you on any one of them.

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