

MixedTrigQuestions: key vocabulary

adjacent	.....	next to, and sharing a side or a corner
angle	.....	the amount of turn between two straight lines that meet at a point
arccos	.....	The operation that finds an angle when its cosine is known.
arctan	.....	The operation that finds an angle when its tangent is known.
cos	.....	the adjacent side divided by the hypotenuse for an angle in a right triangle.
cosine rule	.....	a formula connecting three side lengths and one angle in a three-sided shape.
discriminant	.....	a value calculated from the numbers in an equation; if it is negative, the equation has no real solutions.
hypotenuse	.....	the longest side of a right-angled triangle, opposite the right angle
opposite	.....	in a three-sided shape with a right angle, the side across from a chosen corner.
Pythagoras' theorem		in a right-angled triangle, the longest side times itself equals the other two sides times themselves, added together.
right triangle	.....	a triangle with one angle that is a quarter turn.
sin	.....	the opposite side divided by the hypotenuse for an angle in a right triangle.
sine rule	.....	a formula connecting the sides of a triangle with the sin of the angle opposite each side.
tan		the opposite side divided by the adjacent side for an angle in a right triangle.
triangle		a flat shape with three straight sides

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Match the word to its meaning

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