

Hiiii chat gpt!! can you send me some trigonometry questions please?
From the web

Absolutely! Here's a set of 15 trigonometry questions you can use, all mixed together and ready for practice:

► Trigonometry Test Questions

- 1) In a right triangle, $\sin(\theta) = \text{opposite} / ?$
- 2) $\cos(\theta) = ? / \text{hypotenuse}$
- 3) $\tan(\theta) = ? (\text{Opposite} / \text{Adjacent})$
- 4) Find $\sin(30^\circ)$
- 5) Find $\cos(60^\circ)$
- 6) A ladder leans against a wall making a 60° angle with the ground. If the ladder is 10m long, how high up the wall does it reach?
- 7) Find the sine of an angle of 35° in a right triangle.
- 8) If a steep hill is at 12° , what is the cosine of that angle?
- 9) The angle that waves hit a shoreline is 75° . What is the tangent of this angle?
- 10) You're walking up a 500-m hill with an incline of 12° . How far will you walk to reach the top?
- 11) A right triangle has one side = 6 and hypotenuse = 10. Use trigonometry to find the measure of the acute angles.
- 12) If $\sin \theta = 3/5$ (θ acute), find $\cos \theta$ and $\tan \theta$.
- 13) Evaluate $\sin 45^\circ$, $\cos 45^\circ$, $\tan 45^\circ$ using a standard right triangle.
- 14) Suppose a ramp makes an angle of 10° with the ground and must reach a door 2ft off the ground. How long must the ramp be?
- 15) Which trig ratio is used for opposite / adjacent?

If you want, I can also make a multiple-choice version with an answer key, so it's a complete ready-to-use practice test.



+ Ask anything



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wsg chatgpt, can you generate me some geometry test questions? Use the web if possible please

Here's a fresh set of 10 geometry test questions for you — 4 legit practice questions from web-based geometry resources, followed by 6 standard academic style questions you can use for testing ↗

📘 Geometry Test Questions (from web practice)

- 1) What is the sum of all interior angles of a pentagon (a 5-sided polygon)? ([analyzemath.com](#) ↗)
- 2) A rectangle has a perimeter of 100 feet. If one side is 30 feet, what is the length of the other side? ([lumoslearning.com](#) ↗)
- 3) Calculate the area of an equilateral triangle with side length 6. ([lumoslearning.com](#) ↗)
- 4) If two lines are parallel and cut by a transversal, what type of angles are formed on opposite sides of the transversal but inside the lines? ([analyzemath.com](#) ↗)

↳ Standard Geometry Questions (common high-school style)

- 5) In a right triangle, one angle measures 37° and the adjacent side to that angle is 12 units. Find the hypotenuse (round to the nearest tenth).
- 6) An arc measures 84° . What is the measure of the inscribed angle that intercepts that arc?
- 7) A cylinder has a radius of 4 units and a height of 10 units. What is the volume of the cylinder (in terms of π)?
- 8) Find the slope of the line between the points $(-3, 5)$ and $(4, -2)$.
- 9) Two similar triangles have a scale factor of 3:5. If a side in the smaller triangle measures 12 units, find the corresponding side length in the larger triangle.
- 10) What is the interior angle measure of a regular 12-sided polygon (in degrees)?

If you want, I can also give you multiple-choice options and an answer key for these — just let me know!



+ Ask anything

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