

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)  $\tan(\theta) = ?$  (Opposite / Adjacent)
- 4) Find  $\sin(30^\circ)$
- 5) Find  $\cos(60^\circ)$
- 6) A ladder leans against a wall making a  $60^\circ$  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  $35^\circ$  in a right triangle.
- 8) If a steep hill is at  $12^\circ$ , what is the cosine of that angle?
- 9) The angle that waves hit a shoreline is  $75^\circ$ . What is the tangent of this angle?
- 10) You're walking up a 500-m hill with an incline of  $12^\circ$ . 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  $\sin \theta = 3/5$  ( $\theta$  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  $10^\circ$  with the ground and must reach a door 2 ft 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



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  $37^\circ$  and the adjacent side to that angle is 12 units. Find the hypotenuse (round to the nearest tenth).
- 6) An arc measures  $84^\circ$ . 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  $\pi$ )?
- 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

