

Pythagoras

Geometry · Foundation & Higher · 8 questions · Show working

Practise this topic online (marks instantly):

<https://revise-easy.com/gcse-maths/questions/pythagoras/>

Timer: 15 minutes. No calculator unless a question needs one. Answers are on the next page.

Q1. A right-angled triangle has shorter sides 3 cm and 4 cm. Find the hypotenuse.

Q2. A right-angled triangle has hypotenuse 13 cm and one side 5 cm. Find the other side.

Q3. Is a triangle with sides 6 cm, 8 cm and 10 cm right-angled? Explain.

Q4. A ladder is 5 m long. Its foot is 3 m from a wall. How high up the wall does it reach?

Q5. A square has side length 6 cm. Find the length of a diagonal. Leave your answer in surd form.

Q6. A right-angled triangle has shorter sides 9 cm and 12 cm. Find the hypotenuse.

Q7. A rectangle measures 8 cm by 15 cm. Find the length of a diagonal.

Q8. A TV screen is 32 inches across the diagonal and 28 inches wide. Find the height, to 1 d.p.

Pythagoras

Geometry · Foundation & Higher · 8 questions · Show working

Practise this topic online (marks instantly):

<https://revise-easy.com/gcse-maths/questions/pythagoras/>

Mark in class, or send students to the link above so ReviseEasy marks it for them.

Q1. 5 cm

Q2. 12 cm

Q3. Yes, because $6^2 + 8^2 = 10^2$

Q4. 4 m

Q5. $6\sqrt{2}$ cm

Q6. 15 cm

Q7. 17 cm

Q8. 15.5 inches

Want this to mark itself?

Students practise for free at revise-easy.com no login needed to start.

<https://revise-easy.com/gcse-maths/questions/pythagoras/>