ALBERTA MATH 20-2 · UNIT 4 · 5 QUESTIONS

Trigonometry — Practice Test

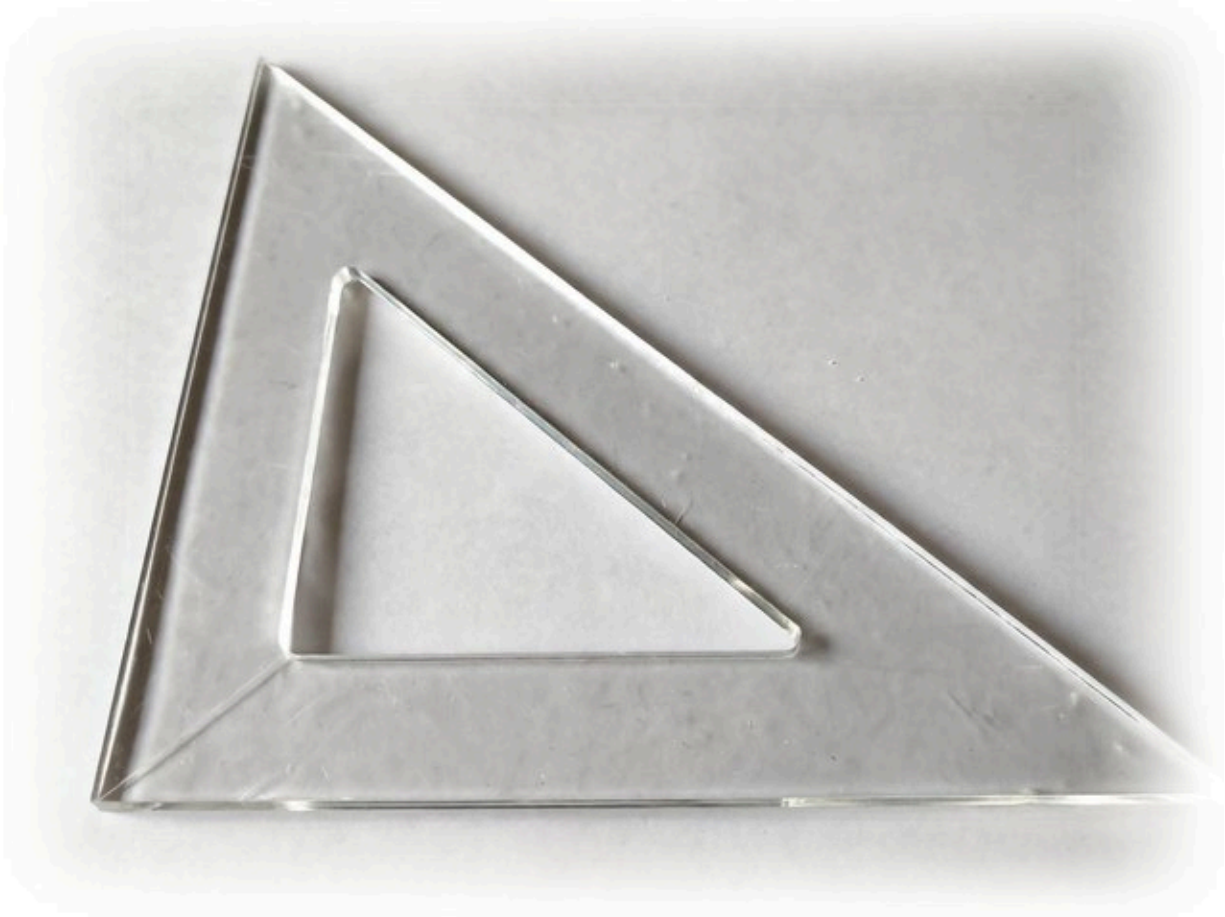
This practice test was made by AI and there may be mistakes. If a question or answer looks wrong, use the Flag a mistake button to let Brett know so he can fix it.

1 **Triangle ABC is shown. AB = 9 cm, BC = 15 cm. The value of cos B is**

- **A** $\frac{3}{5}$
- **B** $\frac{4}{5}$
- **C** $\frac{4}{3}$
- **D** $\frac{5}{4}$

Understand It with Pulse | Flag a mistake

2 **A clear plastic triangular set square ruler lies flat on a plain white surface. In a right triangle, the side opposite angle θ is 7 cm and the hypotenuse is 12 cm. The measure of θ, to the nearest degree, is**



A 30°

B 54°

C 60°

D 36°

Understand It with Pulse | Flag a mistake

3 **The angle of elevation from a point 20 m from the base of a flagpole to the top of the flagpole is 38°. The height of the flagpole, in metres to the nearest tenth, is _____**

ANSWER _____

Understand It with Pulse | Flag a mistake

4 **Triangle ABC is shown. Angle B measures 48°, and AC = 19 cm. The length of the hypotenuse, to the nearest tenth of a centimetre, is**

A 14.1 cm

B 21.1 cm

C 25.6 cm

D 28.4 cm

Understand It with Pulse | Flag a mistake

5 In $\triangle ABC$, $\angle A = 55°$, $\angle C = 80°$, and side $a = 12$ cm. The length of side c, to the nearest tenth of a centimetre, is

- **A** 10.0 cm
- **B** 14.4 cm
- **C** 12.8 cm
- **D** 16.2 cm

Understand It with Pulse | Flag a mistake

ANSWER KEY

1. A
2. D
3. 15.6
4. C
5. B

© 2026 Brett Robbins. All Rights Reserved.