DELAWARE ALGEBRA II · UNIT 3 · 5 QUESTIONS

Exponential, Logarithmic, and Trigonometric Functions — Practice Test

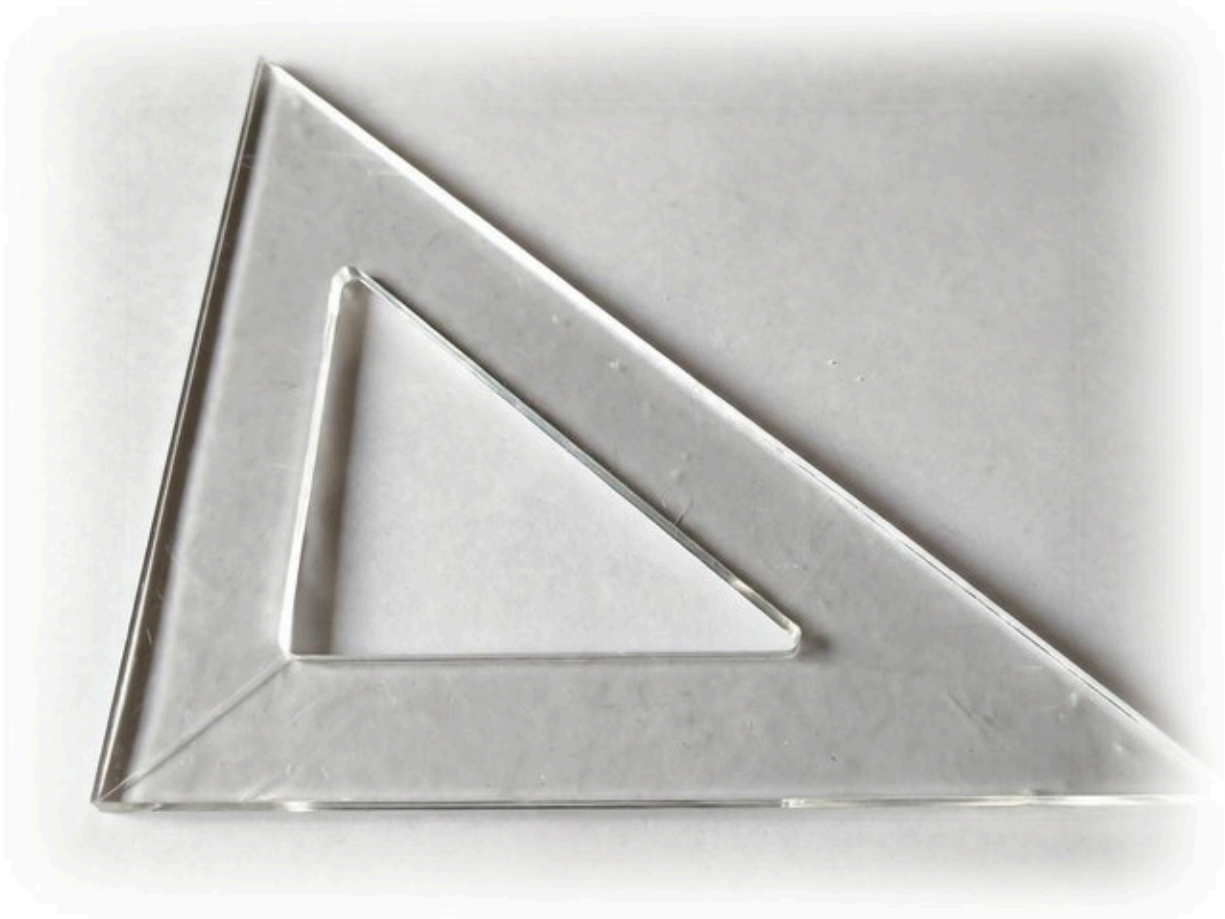
This practice test was made by AI and there may be mistakes. If a question or answer looks wrong, use the Flag a mistake button to let Brett know so he can fix it.

1 **A geometric sequence starts with 1 and has common ratio 2. The 4 term is**

ANSWER _____

Understand It with Pulse | Flag a mistake

2 **Clear plastic triangular set square ruler lies flat on a plain white surface, straight edges and right angle visible, no people. In a right triangle, the side opposite an acute angle is 5, the adjacent side is 12, and the hypotenuse is 13. The cosine of the angle is**



A $\frac{5}{13}$

B $\frac{12}{5}$

C $\frac{13}{12}$

D $\frac{12}{13}$

Understand It with Pulse | Flag a mistake

3 A quantity starts at 100 and triples each hour. After 2 hours, the quantity is

ANSWER _____

Understand It with Pulse | Flag a mistake

4 A geometric sequence starts with 3 and has common ratio 2. The 5 term is

ANSWER _____

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5 In a right triangle, the side opposite an acute angle is 8, the adjacent side is 15, and the hypotenuse is 17. The cosine of the angle is

A $\frac{8}{17}$

B $\frac{15}{8}$

C $\frac{17}{15}$

D $\frac{15}{17}$

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ANSWER KEY

1. 8
2. D
3. 900
4. 48
5. D

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