

Name _____ Score _____/10

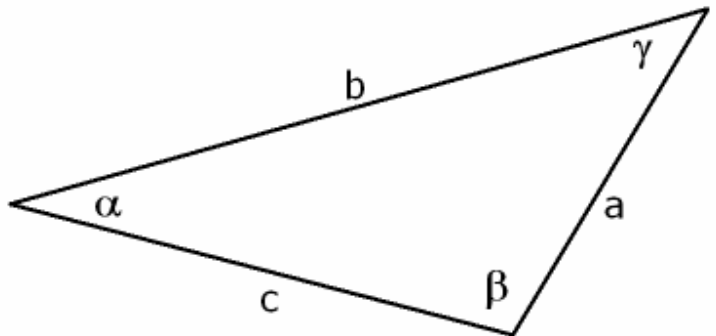
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1. Suppose f and g are two functions which are inverses of each other.

Evaluate $f \circ g(5 - \sqrt{7})$

2. Find all exact solutions for $2\cos(x) + 1 = 0$ in the interval $1 \leq x \leq 2\pi$.

3. State the Law of Sines with reference to the triangle at the right.



4. State the Law of Cosines with reference to the triangle at the right.

5. What is the amplitude of the function $f(x) = 3\cos(2x + 5\pi)$?