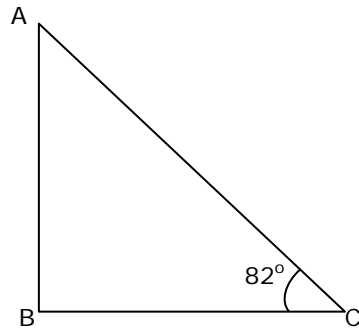


Name _____

Date _____

Area of Triangle Using Trigonometry - Step-by-Step Lesson



BC = 12, AC = 7 and $\angle C = 82^\circ$ find its area.

Express the area rounded to three decimal places.

Explanation:

$$A = \frac{1}{2} ab \sin C$$

$$A = \frac{1}{2} \times 12 \times 7 \sin 82^\circ$$

$$A = 42(0.9903)$$

$$A = 41.6$$

So the answer is 41.6

