Task. Find the area of the triangle, is side $a = 12.7$, side $b = 8.6$ and the angle between them (C) is 73 degrees.

Solution. The area of the triangle can be computed by the following formula

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

Substituting the values we get

$$S = \frac{1}{2} * 12.7 * 8.6 * \sin(73^\circ) = 54.61 * 0.9563 = 52.2.$$

Answer. $S = 52.2$