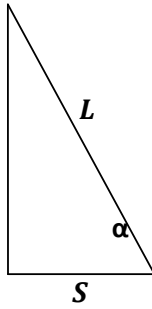


Let:

$$L = 20 \text{ ft}, \alpha = 72^\circ;$$

$$S = ?$$



From a rectangular triangle:

$$S = L * \cos \alpha;$$

$$S = 20 * \cos 72^\circ = 20 * 0.309 = 6.18 \text{ ft};$$

Answer: 6.18 ft.