

Answer on Question #52188– Math – Algebra

Question

If $y = \arccos x$, then x is

Solution

By properties of the inverse of cosine function, if $y = \arccos x$ then $0 \leq y \leq \pi$,

$$-1 \leq x \leq 1.$$

Arccosine is the inverse of cosine. It means the following:

$$\text{If } y = \arccos x, \text{ then } x = \cos y.$$

Answer: $x = \cos y$.