

**Question #9586** Solve  $(x^2 + 9)^{1/2} = 5$ .

**Solution.** The equation is equivalent to  $x^2 + 9 = 25$  or  $x^2 = 16$ , thus either  $x = -4$  or  $x = 4$ .

**Answer**  $x \in \{-4, 4\}$ .