

Graphing Radical Functions

Square Root Function

$$y = a\sqrt{x - h} + k$$

Cube Root Function

$$y = a\sqrt[3]{x - h} + k$$

OPPOSITE



SAME



(h, k)

Plot this point first →

To find the 2nd point:

Move right from (h, k) by "1" &
up (if positive)/down (if
negative) by "a"

← Plot this point first

To find the 2nd Point:

Move right from (h, k) by "1" &
up (if positive)/down (if
negative) by "a"

To find the 3rd Point:

Move left from (h, k) by "1" &
opposite of the up/down from
the 2nd Point by "a"