

Naming Radicals

2 as an Index

index \longrightarrow $\sqrt[2]{a}$ \longleftarrow radical symbol
 \longleftarrow radicand

(A) the square root of *radicand*

(B) the second root of *radicand*

Example:

index \longrightarrow $\sqrt[2]{9}$ \longleftarrow radical symbol
 \longleftarrow radicand

(A) the square root of nine

(B) the second root of nine

Naming Radicals

3 as an Index

index \longrightarrow $\overset{3}{\sqrt{}}$ \longleftarrow radical symbol
 $\phantom{\text{index}} \phantom{\overset{3}{\sqrt{}}} \phantom{\text{radical symbol}} \phantom{} \phantom{\text{radicand}}$

(A) the cubed root of *radicand*

(B) the third root of *radicand*

Example:

index \longrightarrow $\overset{3}{\sqrt{}}$ \longleftarrow radical symbol
 $\phantom{\text{index}} \phantom{\overset{3}{\sqrt{}}} \phantom{\text{radical symbol}} \phantom{} \phantom{\text{radicand}}$

(A) the cubed root of twenty-seven

(B) the third root of twenty-seven

Naming Radicals

Indices Greater Than 3

index \longrightarrow $\overset{x}{\sqrt{}}$ \longleftarrow radical symbol
 $ \phantom{\overset{x}{\sqrt{}}} \phantom{ \phantom{\overset{x}{\sqrt{}}}} $
 $ \phantom{\overset{x}{\sqrt{}}} \phantom{ \phantom{\overset{x}{\sqrt{}}}} $

(A) the *x* root of *radicand*

Example:

index \longrightarrow $\overset{4}{\sqrt{}}$ \longleftarrow radical symbol
 $ \phantom{\overset{4}{\sqrt{}}} \phantom{ \phantom{\overset{4}{\sqrt{}}}} $
 $ \phantom{\overset{4}{\sqrt{}}} \phantom{ \phantom{\overset{4}{\sqrt{}}}} $

(A) the fourth root of sixteen