



**1** Rewrite the root as a complex number and simplify all radicals

$\sqrt{-112}$

A	B	C
$i\sqrt{9}$	$i\sqrt{5}$	$3i\sqrt{3}$
D	E	F
$4i\sqrt{7}$	$i\sqrt{10}$	$7i\sqrt{8}$

**2** Rewrite the root as a complex number and simplify all radicals

$\sqrt{-125}$

A	B	C
$5i\sqrt{5}$	$3i\sqrt{8}$	$7i\sqrt{5}$
D	E	F
$8i\sqrt{8}$	$2i\sqrt{5}$	$4i\sqrt{8}$

**3** Rewrite the root as a complex number and simplify all radicals

$\sqrt{-275}$

A	B	C
$6i\sqrt{10}$	$2i\sqrt{12}$	$6i\sqrt{12}$
D	E	F
$4i\sqrt{14}$	$8i\sqrt{7}$	$5i\sqrt{11}$

**4** Rewrite the root as a complex number and simplify all radicals

$\sqrt{-18}$

A	B	C
$2i\sqrt{4}$	$3i$	$i\sqrt{3}$
D	E	F
$3i\sqrt{2}$	$5i$	$6i$

**5** Rewrite the root as a complex number and simplify all radicals

$\sqrt{-45}$

A	B	C
$5i$	$3i\sqrt{5}$	$i\sqrt{5}$
D	E	F
$2i$	$5i\sqrt{3}$	$6i\sqrt{6}$

**6** Rewrite the root as a complex number and simplify all radicals

$\sqrt{-44}$

A	B	C
$i\sqrt{12}$	$i\sqrt{7}$	$2i\sqrt{11}$
D	E	F
$2i\sqrt{12}$	$i\sqrt{14}$	$5i\sqrt{11}$

**7** Rewrite the root as a complex number and simplify all radicals

$\sqrt{-63}$

A	B	C
$2i\sqrt{9}$	$3i\sqrt{7}$	$i\sqrt{8}$
D	E	F
$i\sqrt{7}$	$i\sqrt{5}$	$i\sqrt{6}$

**8** Rewrite the root as a complex number and simplify all radicals

$\sqrt{-50}$

A	B	C
$i\sqrt{5}$	$i\sqrt{3}$	$2i\sqrt{3}$
D	E	F
$3i$	$7i$	$5i\sqrt{2}$