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Math worksheet on *'Complex Numbers - Rewriting Roots (Level 1)'*. Part of a broader unit on *'Complex Numbers'*

Learn online: app.mobius.academy/math/units/complex_numbers/

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

$$\sqrt{-9}$$

a	b	c
$3i$	$2i\sqrt{2}$	$2i$

d	e	f
i	$i\sqrt{3}$	$i\sqrt{4}$

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

$$\sqrt{-4}$$

a	b	c
$2i$	i	$2i\sqrt{3}$

d	e	f
$5i$	$4i$	$3i$

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

$$\sqrt{-16}$$

a	b	c
$2i$	$4i$	$7i$

d	e	f
$3i$	i	$5i$

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

$$\sqrt{-25}$$

a	b	c
$7i\sqrt{3}$	i	$8i\sqrt{4}$

d	e	f
$6i$	$2i$	$5i$