



Math worksheet on 'Radicals - Cube - Simplifying, Values and Variables, Radical Remaining (Level 2)'. Part of a broader unit on 'Radicals - Simplifying Practice'

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

1 Simplify the radical

a	b	c
$\sqrt{9n}$	$4\sqrt{4n^2}$	$\sqrt{3n^3}$
$\sqrt{63n}$		
d	e	f
$3\sqrt{7n}$	$6\sqrt{3n^2}$	$2\sqrt{8n^3}$

2 Simplify the radical

a	b	c
$2n^4\sqrt{3}$	n^4	$6n^3\sqrt{4}$
$\sqrt{32n^4}$		
d	e	f
$4n^2\sqrt{2}$	$6n^3\sqrt{5}$	$5n$

3 Simplify the radical

a	b	c
$4y^2\sqrt{3}$	$6y$	$5y\sqrt{4}$
$\sqrt{48y^4}$		
d	e	f
$y\sqrt{2}$	$4y$	$7y$

4 Simplify the radical

a	b
$y\sqrt{8y^3}$	$2y^2\sqrt{6y^2}$
$\sqrt{28y^5}$	
c	d
$3y^3\sqrt{3y^3}$	$2y^2\sqrt{7y}$
e	f
$3y^2\sqrt{6y}$	$y^4\sqrt{10y}$

5 Simplify the radical

a	b	c
$2b^3\sqrt{4b}$	$4b\sqrt{7b}$	$2b\sqrt{10b}$
$\sqrt{112b^3}$		
d	e	f
$2b^3\sqrt{3b}$	$7b^3\sqrt{5b}$	$5b^2\sqrt{8b}$

6 Simplify the radical

a	b	c
$3d^3\sqrt{2}$	$d\sqrt{2}$	d
$\sqrt{18d^2}$		
d	e	f
$3d\sqrt{2}$	$2d\sqrt{4}$	$d\sqrt{4}$

7 Simplify the radical

a	b	c
$5y\sqrt{5}$	y	$4y$
$\sqrt{8y^2}$		
d	e	f
$2y$	$2y\sqrt{2}$	$3y$