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Math worksheet on *'Radicals - Cube - Simplifying, Values and Variables, Nothing Remaining (Level 3)'*.
Part of a broader unit on *'Radicals - Simplifying Advanced'*

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

1 Simplify the radical

$$\sqrt{16z^2y^4}$$

a	b	c	d	e	f
$4zy^2$	zy	$2zy^2$	zy^2	$6zy\sqrt{4}$	$2z^2y\sqrt{2}$

2 Simplify the radical

$$\sqrt{25n^4r^2}$$

a	b	c
$5n^2r^2$	$8nr^2$	$3n^3r$

d	e	f
$6n^4r^2$	$8n^3r\sqrt{4}$	$5n^2r$

3 Simplify the radical

$$\sqrt{25r^4y^2}$$

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

4 Simplify the radical

$$\sqrt{16x^4d^4}$$

a	b	c
$6x^3d$	$4x^2d^2$	x^3d^3

d	e	f
x^4d	xd^3	$3xd$

5 Simplify the radical

$$\sqrt{25r^4p^2}$$

a	b	c	d	e	f
$6rp^2$	$6r^3p\sqrt{2}$	$8rp^2$	$5r^2p^2$	$5r^2p$	$3r^4p\sqrt{2}$

6 Simplify the radical

$$\sqrt{16x^4z^4}$$

a	b	c
$2x^4z^4$	$7x^3z^3$	$3x^4z\sqrt{4}$

d	e	f
$6xz$	$7x^2z^3$	$4x^2z^2$

7 Simplify the radical

$$\sqrt{16x^4z^2}$$

a	b	c
$2xz$	$7x^3z$	$4x^2z$

d	e	f
$4xz^3$	$2xz^2$	$2x^4z\sqrt{3}$