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

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1 Simplify the radical $\sqrt{20z}$

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

2 Simplify the radical $\sqrt{99c^3}$

a	b	c
$3c^3\sqrt{12c}$	$6c^3\sqrt{7c^3}$	$3c\sqrt{14c}$
d	**e**	**f**
$6c^3\sqrt{14c}$	$3c\sqrt{11c}$	$6c\sqrt{8c}$

3 Simplify the radical $\sqrt{176x^3}$

a	b
$7x^3\sqrt{9x}$	$x\sqrt{7x}$
c	**d**
$5x\sqrt{7x}$	$4x\sqrt{11x}$
e	**f**
$x\sqrt{13x}$	$x^2\sqrt{11x^3}$

4 Simplify the radical $\sqrt{63y}$

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

5 Simplify the radical $\sqrt{27d^2}$

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

6 Simplify the radical $\sqrt{32x^4}$

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

7 Simplify the radical $\sqrt{112b^3}$

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