



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

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1	Simplify the radical		
	a	b	c
	$7r\sqrt{r^2}$	$3r^3\sqrt{2r}$	$2r\sqrt{3r^3}$
	d	e	
	$4r^2\sqrt{6r}$	$5r^2\sqrt{3r}$	
	$\sqrt{75r^5}$		

2	Simplify the radical		
	a	b	c
	$5c^3\sqrt{3c}$	$2c\sqrt{5c}$	$c\sqrt{8c}$
	d	e	
	$c\sqrt{5c^3}$	$5c^3\sqrt{6c^2}$	
	$\sqrt{20c^3}$		

3	Simplify the radical		
	a	b	
	$5z^2\sqrt{11z}$	$5z\sqrt{12z^3}$	
	c	d	
	$5z\sqrt{10z^3}$	$z\sqrt{9z}$	
	e		
	$2z\sqrt{11z}$		
	$\sqrt{44z^3}$		

4	Simplify the radical		
	a	b	c
	$2\sqrt{6x^2}$	$\sqrt{4x^3}$	$7\sqrt{7x}$
	d	e	
	$4\sqrt{5x}$	$4\sqrt{3x^2}$	
	$\sqrt{80x}$		

5	Simplify the radical		
	a	b	c
	$4r\sqrt{5}$	$5r\sqrt{7}$	$3r^2\sqrt{2}$
	d	e	
	$5r\sqrt{2}$	$r\sqrt{5}$	
	$\sqrt{80r^2}$		

6	Simplify the radical		
	a	b	
	$3n^3\sqrt{5n^2}$	$n\sqrt{n}$	
	c	d	
	$3n\sqrt{5n}$	$n\sqrt{4n}$	
	e		
	$5n^3\sqrt{7n}$		
	$\sqrt{45n^3}$		

7	Simplify the radical		
	a	b	
	$5p\sqrt{p^3}$	$2p^2\sqrt{4p}$	
	c	d	
	$7p\sqrt{5p}$	$5p^3\sqrt{6p^3}$	
	e		
	$4p\sqrt{5p}$		
	$\sqrt{80p^3}$		