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Math worksheet on '*Radicals - Adding and Subtracting (Values and Variables) (Level 2)*'. Part of a broader unit on '*Radicals - Addition and Subtraction Intro*'

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- 2** Simplify, then add or subtract the radical expressions

$$\sqrt{2n^3} - \sqrt{18n^3}$$

a	$-2n\sqrt{2n}$	b	$2n\sqrt{n^2} - n^3\sqrt{3n^3}$
c	$-2n\sqrt{2n^2}$	d	$n\sqrt{5n^2} - 6n^2\sqrt{n^3}$
e	$-2n\sqrt{2n^{-1}}$	f	$-2n^2\sqrt{2n}$

- 4** Simplify, then add or subtract the radical expressions

$$\sqrt{125p^4} - \sqrt{5p^2}$$

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

- 6** Simplify, then add or subtract the radical expressions

$$\sqrt{176b^4} + \sqrt{11b^3}$$

a	$4b^3\sqrt{13} + b\sqrt{8b}$	b	$b^2\sqrt{7} + 4b^2\sqrt{12b}$
c	$2b\sqrt{10} + b\sqrt{7b}$	d	$4b^2\sqrt{11} + b\sqrt{11b}$
e	$b^4\sqrt{11} + 2b\sqrt{9b^2}$		

- 1** Simplify, then add or subtract the radical expressions

$$\sqrt{18n^2} + \sqrt{2n^4}$$

a	$3n\sqrt{2} + n^2\sqrt{2}$	b	$2n$
c	$n\sqrt{3} + n^4\sqrt{2}$		

- 3** Simplify, then add or subtract the radical expressions

$$\sqrt{27d^2} - \sqrt{3d^2}$$

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

- 5** Simplify, then add or subtract the radical expressions

$$\sqrt{275r^3} - \sqrt{11r}$$

a	$2r\sqrt{11r^2} - \sqrt{7r}$	b	$8r\sqrt{7r^2} - 4\sqrt{11r^3}$
c	$5r\sqrt{9r} - \sqrt{10r^3}$	d	$5r\sqrt{11r} - \sqrt{11r}$
e	$5r\sqrt{13r} - \sqrt{14r}$	f	$5r^2\sqrt{9r} - \sqrt{12r}$

- 7** Simplify, then add or subtract the radical expressions

$$\sqrt{3r^4} - \sqrt{27r^3}$$

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