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

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1 Add or subtract the radical expressions

$$3m^2\sqrt{3} - m^2\sqrt{3}$$

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

2 Add or subtract the radical expressions

$$4c\sqrt{3} - c^2\sqrt{3}$$

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

3 Add or subtract the radical expressions

$$3\sqrt{3} - x\sqrt{3}$$

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

4 Add or subtract the radical expressions

$$4\sqrt{3b} - \sqrt{3}$$

a	$3\sqrt{6b^3} - 1$	**b**	$5\sqrt{b} - 1$
c	$3\sqrt{6b} - 1$	**d**	$4\sqrt{5b^2} - 4\sqrt{3}$
e	$4\sqrt{3b} - \sqrt{3}$	**f**	$6\sqrt{4b} - \sqrt{6}$

5 Add or subtract the radical expressions

$$2\sqrt{3} + \sqrt{3c}$$

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

6 Add or subtract the radical expressions

$$4\sqrt{5z} + z\sqrt{5z}$$

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

7 Add or subtract the radical expressions

$$4z\sqrt{3} + z^2\sqrt{3}$$

a	$z^2 + 3z^3\sqrt{6}$	**b**	$4z\sqrt{3} + z^2\sqrt{3}$
c	$3z\sqrt{6} + z^2\sqrt{6}$	**d**	$7z^2 + z\sqrt{5}$
e	$2z^3\sqrt{5} + 2z$		