Simplifying Radical Expressions
(Addition and Subtraction)

Level 1 - Simplify the radical expression by adding and subtracting
Level 2 - Simplify the radical expressions of higher order
Level 3 - Simplify the radical expressions involving variables

Answers:

Level 1

a) $-4\sqrt{5}$	**b)** $6\sqrt{7}$	**c)** $4\sqrt{3}$
d) $-8\sqrt{2}$	**e)** $5\sqrt{10}$	**f)** 0
g) $-26\sqrt{3}$	**h)** $17\sqrt{6}$	**i)** $6\sqrt{3}$
j) $-4\sqrt{6}$	**k)** $18\sqrt{2}$	**l)** $-8\sqrt{5}$
m) $5\sqrt{5}$	**n)** $27\sqrt{6}$	**o)** 0

Level 2

a) $-9\sqrt[3]{3}$	**b)** $10\sqrt[4]{5}$	**c)** $2\sqrt[4]{9}$
d) $-2\sqrt[3]{2}$	**e)** 10	**f)** 0
g) 8	**h)** 1	**i)** -3
j) 4	**k)** -14	**l)** 5

Level 3

a) $5x$	**b)** $3ab$	**c)** $5m^2n$
d) $3a\sqrt{a}$	**e)** $5xy\sqrt{y}$	**f)** $-7pq$
g) $-10\sqrt{x}$	**h)** 0	**i)** $13ab\sqrt[3]{b^2}$
j) 0	**k)** $3x\sqrt[4]{xy}$	**l)** $x^2\sqrt{y}$