

Manipulating Surds

(a)	(b)	(c)	(d)
Simplify $2\sqrt{5} + 3\sqrt{5}$	Simplify $6\sqrt{5} + 5\sqrt{5}$	Simplify $2\sqrt{5} - 3\sqrt{5}$	Simplify $7\sqrt{3} - 3\sqrt{3}$
(e)	(f)	(g)	(h)
Simplify $2\sqrt{3} + 3\sqrt{2}$	Simplify $7\sqrt{10} + 3\sqrt{10} - \sqrt{10}$	Expand $3(6 + \sqrt{5})$	Expand $\sqrt{2}(7 - \sqrt{3})$
(i)	(j)	(k)	(l)
Expand $5\sqrt{2}(3 - \sqrt{7})$	Expand and simplify $(3 + \sqrt{2})(6 + \sqrt{2})$	Expand and simplify $(3 + \sqrt{7})(5 - \sqrt{7})$	Expand and simplify $(4 + 3\sqrt{5})(2 - \sqrt{5})$