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| **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$$(4+3\sqrt{5})(2-\sqrt{5})$$ |