N5 Maths: Surds

Answers

Q1 **a)** $2\sqrt{3}$ **b)** $3\sqrt{2}$ **c)** $5\sqrt{2}$

d) $2\sqrt{15}$ **e)** $4\sqrt{3}$ **f)** $6\sqrt{3}$

g) $4\sqrt{2}$ **h)** $6\sqrt{2}$ **i)** $4\sqrt{6}$

Q2 **a)** $6\sqrt{5}$ **b)** $6\sqrt{3}$ **c)** $8\sqrt{2}$

d) $-6\sqrt{6}$ **e)** $2\sqrt{5}$ **f)** $-3\sqrt{10}$

Q3 **a)** $4\sqrt{6}$ **b)** $8\sqrt{3}$ **c)** $-8\sqrt{5}$

d) $10\sqrt{2}$ **e)** $17\sqrt{3}$ **f)** $2\sqrt{11}$

Q4 **a)** 13 **b)** $4\sqrt{2}$ **c)** $4\sqrt{6}$

d) $8\sqrt{15}$ **e)** $18\sqrt{2}$ **f)** $12\sqrt{15}$

Q5 **a)** $\frac{2\sqrt{3}}{3}$ **b)** $\frac{3\sqrt{2}}{5}$ **c)** $\frac{5\sqrt{6}}{18}$

d) $\frac{\sqrt{19}}{19}$ **e)** $2\sqrt{2}$ **f)** $\frac{\sqrt{2}}{2}$

Q6 **a)** $\frac{\sqrt{2}}{2}$ **b)** $\frac{\sqrt{15}}{15}$ **c)** $\frac{2\sqrt{6}}{9}$

d) $\frac{4\sqrt{14}}{7}$ **e)** $\frac{\sqrt{5}}{40}$ **f)** $\frac{3\sqrt{5}}{10}$

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