**Rationalising Surds**

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| Name : | Class : | Date : |

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| Mark : | /8 | % |

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| **1)** Rationalise the denominator      a)  $\frac{8}{\sqrt{3}}$     b)  $\frac{9}{\sqrt{2}}$     c)  $\frac{15}{\sqrt{50}}$ | [8]   |
|      d)  $\frac{25}{\sqrt{50}}$     e)  $\frac{-9}{7+\sqrt{11}}$     f)  $\frac{7}{6+\sqrt{11}}$ |  |
|      g)  $\frac{-9}{3+\sqrt{6}}$     h)  $\frac{-66}{5-\sqrt{3}}$ |  |

**Solutions for the assessment Rationalising Surds**

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| **1)**  a)  $\frac{8\sqrt{3}}{3}$ |      b)  $\frac{9\sqrt{2}}{2}$ |
|      c)  $\frac{3\sqrt{2}}{2}$ |      d)  $\frac{5\sqrt{2}}{2}$ |
|      e)  $\frac{-63+9\sqrt{11}}{38}$ |      f)  $\frac{42-7\sqrt{11}}{25}$ |
|      g)  $-9+3\sqrt{6}$ |      h)  $-15-3\sqrt{3}$ |