**Rationalising Surds**

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| Name : | Class : | Date : |

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| Mark : | /8 | % |

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| **1)** Rationalise the denominator      a)  $\frac{-9}{\sqrt{10}}$     b)  $\frac{10}{\sqrt{7}}$     c)  $\frac{9}{\sqrt{45}}$ | [8]   |
|      d)  $\frac{10}{\sqrt{75}}$     e)  $\frac{-5}{4+\sqrt{5}}$     f)  $\frac{9}{5-\sqrt{3}}$ |  |
|      g)  $\frac{-12}{4-\sqrt{10}}$     h)  $\frac{42}{5-\sqrt{11}}$ |  |

**Solutions for the assessment Rationalising Surds**

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| **1)**  a)  $\frac{-9\sqrt{10}}{10}$ |      b)  $\frac{10\sqrt{7}}{7}$ |
|      c)  $\frac{3\sqrt{5}}{5}$ |      d)  $\frac{2\sqrt{3}}{3}$ |
|      e)  $\frac{-20+5\sqrt{5}}{11}$ |      f)  $\frac{45+9\sqrt{3}}{22}$ |
|      g)  $-8-2\sqrt{10}$ |      h)  $15+3\sqrt{11}$ |