**Rationalising Surds**

|  |  |  |
| --- | --- | --- |
| Name : | Class : | Date : |

|  |  |  |
| --- | --- | --- |
| Mark : | /8 | % |

|  |  |
| --- | --- |
| **1)** Rationalise the denominator      a)  $\frac{-7}{\sqrt{13}}$     b)  $\frac{5}{\sqrt{14}}$     c)  $\frac{6}{\sqrt{8}}$ | [8]   |
|      d)  $\frac{8}{\sqrt{80}}$     e)  $\frac{-3}{4-\sqrt{2}}$     f)  $\frac{1}{4+\sqrt{11}}$ |  |
|      g)  $\frac{-9}{2-\sqrt{7}}$     h)  $\frac{78}{6+\sqrt{10}}$ |  |

**Solutions for the assessment Rationalising Surds**

|  |  |
| --- | --- |
| **1)**  a)  $\frac{-7\sqrt{13}}{13}$ |      b)  $\frac{5\sqrt{14}}{14}$ |
|      c)  $\frac{3\sqrt{2}}{2}$ |      d)  $\frac{2\sqrt{5}}{5}$ |
|      e)  $\frac{-12-3\sqrt{2}}{14}$ |      f)  $\frac{4-\sqrt{11}}{5}$ |
|      g)  $6+3\sqrt{7}$ |      h)  $18-3\sqrt{10}$ |