**Operations with Surds**

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| Name : | Class : | Date : |

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| Mark : | /5 | % |

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| **1)** Simplify      a)  $\sqrt{21}$  $×$  $\sqrt{14}$     b)  $(\sqrt{10}-5)(\sqrt{10}+5)$     c)  $8\sqrt{6}×4\sqrt{6}$ | [5]   |
|      d)  $(\sqrt{11}+\sqrt{2})(\sqrt{11}-\sqrt{2})$     e)  $(\sqrt{10}-2)(\sqrt{2}+9)$ |  |

**Solutions for the assessment Operations with Surds**

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| **1)**  a)  $7\sqrt{6}$ |      b) -15 |
|      c) 192 |      d) 9 |
|      e)  $\sqrt{20}-2\sqrt{2}+9\sqrt{10}-18$ |  |