**Expand Double Brackets - Advanced**

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| Name : | Class : | Date : |

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| **1)** Expand and simplify completely      a)  $(b+2)(b+5)$     b)  $(y+3)(y-7)$     c)  $(z-4)(z+2)$ | [15]   |
|      d)  $(z-2)(z-9)$     e)  $(4c+9)(4c+6)$     f)  $(c+3)(4c-8)$ |  |
|      g)  $(3b-6)(5b+8)$     h)  $(b-3)(3b-1)$     i)  $(5c-2)(8+2c)$ |  |
|      j)  $(2-2b)(4b+2)$     k)  $(x+7)^{2}$     l)  $(c-3)^{2}$ |  |
|      m)  $(2-a)^{2}$     n)  $(5x+9)^{2}$     o)  $(4a-9)^{2}$ |  |

**Solutions for the assessment Expand Double Brackets - Advanced**

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| **1)**  a)  $b^{2}+7b+10$ |      b)  $y^{2}-4y-21$ |
|      c)  $z^{2}-2z-8$ |      d)  $z^{2}-11z+18$ |
|      e)  $16c^{2}+60c+54$ |      f)  $4c^{2}+4c-24$ |
|      g)  $15b^{2}-6b-48$ |      h)  $3b^{2}-10b+3$ |
|      i)  $10c^{2}+36c-16$ |      j)  $-8b^{2}+4b+4$ |
|      k)  $x^{2}+14x+49$ |      l)  $c^{2}-6c+9$ |
|      m)  $a^{2}-4a+4$ |      n)  $25x^{2}+90x+81$ |
|      o)  $16a^{2}-72a+81$ |  |