**Expand Double Brackets - Advanced**

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| Name : | Class : | Date : |

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

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

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| **1)**  a)  $a^{2}+9a+8$ |      b)  $x^{2}+2x-8$ |
|      c)  $b^{2}+2b-63$ |      d)  $c^{2}-6c+5$ |
|      e)  $4a^{2}+41a+45$ |      f)  $4a^{2}+14a-8$ |
|      g)  $20b^{2}+18b-14$ |      h)  $8x^{2}-40x+42$ |
|      i)  $3b^{2}-6b-45$ |      j)  $-36z^{2}-6z+12$ |
|      k)  $z^{2}+18z+81$ |      l)  $y^{2}-8y+16$ |
|      m)  $z^{2}-8z+16$ |      n)  $9c^{2}+24c+16$ |
|      o)  $25c^{2}-90c+81$ |  |