**Expand Double Brackets - Advanced**

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| Name : | Class : | Date : |

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

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

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| **1)**  a)  $z^{2}+12z+36$ |      b)  $x^{2}-x-30$ |
|      c)  $y^{2}-y-30$ |      d)  $b^{2}-7b+6$ |
|      e)  $18x^{2}+69x+45$ |      f)  $6b^{2}+b-12$ |
|      g)  $12a^{2}-29a-8$ |      h)  $3z^{2}-25z+28$ |
|      i)  $30c^{2}+4c-48$ |      j)  $-10x^{2}-31x+14$ |
|      k)  $x^{2}+8x+16$ |      l)  $b^{2}-12b+36$ |
|      m)  $x^{2}-14x+49$ |      n)  $16z^{2}+40z+25$ |
|      o)  $4a^{2}-12a+9$ |  |