**1**    Expand and simplify    $(x + 7)(x - 3)$

**(2 marks)**

**2**    (a)   Expand and simplify    $(2p - 3)(p - 5)$    **(2)**

      (b)   Factorise   $a^2 + 15a + 36$    **(2)**

**(4 marks)**

**3**    (a)   Expand and simplify    $(x + 3)(x - 3)$    **(2)**

      (b)   Factorise   $x^2 - 8x + 7$    **(2)**

**(4 marks)**

**4**    Expand and simplify    $(m + 3)(m + 4)$

**(2 marks)**

**5**    (a)   Expand and simplify    $(2x + 3)(3x - 1)$    **(2)**

      (b)   Factorise   $x^2 + 10x + 25$    **(1)**

**(3 marks)**

**6**    (a)   Expand and simplify    $(4y + 3)(2y - 3)$    **(2)**

      (b)   Factorise   $x^2 + 7x + 6$    **(2)**

**(4 marks)**

**7**    Expand and simplify    $(x - 2)(x - 9)$

**(2 marks)**

**8**    (a)   Expand and simplify    $(5h + 2)(h + 4)$    **(2)**

      (b)   Factorise   $x^2 - 49$    **(1)**

**(3 marks)**

**9**    (a)   Expand and simplify    $(3x - 5)(2x - 3)$    **(2)**

      (b)   Factorise   $n^2 - 3n - 18$    **(2)**

**(4 marks)**

**10**    Expand and simplify    $(x + 6)(3x + 8)$

**(2 marks)**

**11**    (a)   Expand and simplify    $(x - 6)(x - 7)$    **(2)**

       (b)   Factorise   $x^2 - 16$    **(1)**

**(3 marks)**

**12**    (a)   Expand and simplify    $(2x + 1)(5x - 9)$    **(2)**

       (b)   Factorise   $x^2 - 13x + 36$    **(2)**

**(4 marks)**

**13**    Expand and simplify    $(a - 7)^2$

**(2 marks)**

Grade 5      Expanding and Factorising Quadratics      Grade 5

**14**  (a) Expand and simplify  $(2x-1)(x+4)$  **(2)**

(b) Factorise  $x^2 - 100$  **(1)**

**(3 marks)**

**15**  (a) Expand and simplify  $(3d-2)(d+7)$  **(2)**

(b) Factorise  $x^2 - 3x - 40$  **(2)**

**(4 marks)**

**16**  Factorise  $n^2 + 3n - 28$

**(2 marks)**

**17**  (a) Expand and simplify  $(a-5)(a+6)$  **(2)**

(b) Factorise  $b^2 - 81$  **(1)**

**(3 marks)**

**18**  (a) Expand and simplify  $(2x+5)(x+9)$  **(2)**

(b) Factorise  $y^2 - 7y + 12$  **(2)**

**(4 marks)**

**19**  Factorise  $m^2 - m - 30$

**(2 marks)**

**20**  (a) Expand and simplify  $(5a-1)(2a-7)$  **(2)**

(b) Factorise  $b^2 - 144$  **(1)**

**(4 marks)**

**21**  (a) Expand and simplify  $(7x+1)(x+5)$  **(2)**

(b) Factorise  $y^2 + 13y + 30$  **(2)**

**(4 marks)**