## Expanding Single Brackets
### Exam Style Questions

1. Expand the following brackets.

   (a)   $2(x + 3)$

   ……………………….. (1 mark)

   (b)   $9(2a + 3b)$

   ……………………….. (1 mark)

   (c)   $8(x + 11y)$

   ……………………….. (1 mark)

   (d)   $3(a + 3b + c)$

   ……………………….. (1 mark)

   (e)   $-3(2a + 3c)$

   ……………………….. (1 mark)

   (f)   $-6(3a - 4c)$

   ……………………….. (1 mark)

(g)   $x(x + 8)$

.......................... (1 mark)

(h)   $2x(2x + 3)$

.......................... (1 mark)

(i)   $a(2a - 3b)$

.......................... (1 mark)

(i)   $- 5xy(x + y)$

.......................... (1 mark)

(j)   $x^2(x + 3)$

.......................... (1 mark)

(k)   $xy(x + y + z)$

.......................... (1 mark)

(l)   $3a^3(a + b)$

.......................... (1 mark)

(m)     $-p(-q-3)$

…………………….. (1 mark)

(n)     $11x^2y(x-3y)$

…………………….. (1 mark)

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2.  Expand and simplify the following expressions.

(a)     $9(2a+3b)+4(3a+b)$

…………………….. (2 marks)

(b)     $4(3a+3b)-5(a-b)$

…………………….. (2 marks)

(c)     $2(12a-b)-3(2a+11b)$

…………………….. (2 marks)

(d)    $a(a - 2b) - a(3a - 2b)$

……………………….. (2 marks)

(e)    $x(ax + by) + c(x + d)$

……………………….. (2 marks)

(f)    $3x^2(x - 1) - 5x(3x - 1)$

……………………….. (2 marks)

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