

# N5 Unit 1 Spot Test 1

1. Multiply out the brackets and simplify.  $(2x-3)(3x^2+4x-1)$

(3)

2. Remove the brackets and simplify

$$b^{\frac{1}{2}} \left( b^{\frac{1}{2}} + b^{-\frac{1}{2}} \right)$$

(3)

1.  $(2x-3)(3x^2+4x-1)$

$$= [6x^3 + 8x^2 - 2x] - [9x^2 - 12x + 3]$$

$$= [6x^3 - x^2 - 14x + 3] \quad \checkmark$$

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2.  $b^{\frac{1}{2}} (b^{\frac{1}{2}} + b^{-\frac{1}{2}})$

$$= b^1 \checkmark + b^0 \checkmark$$

$$= b + 1 \quad \checkmark$$

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Ch 2 + 3 in textbook to revise these