National 5 Maths SQA 2013 Specimen Paper 1 Question 7



(a) Multiply out the brackets and simplify:

$$x^{\frac{1}{2}} \left(x^{-\frac{3}{2}} + x^{-\frac{1}{2}} \right).$$

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(b) Find the exact value of this expression when x = 6.

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Answers:

- (a) $x^{-1} + 1$ or equivalent
- (b) $1\frac{1}{6}$ or $\frac{7}{6}$