

27 x is directly proportional to w^3

y is inversely proportional to \sqrt{w}

$$y = 2 \text{ when } x = \frac{1}{4}$$

Find the value of p and the value of q such that $xy^p = q$

DO NOT WRITE IN THIS AREA

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$$p = \dots$$

$$q = \dots$$

(Total for Question 27 is 4 marks)

TOTAL FOR PAPER IS 100 MARKS

