24 A particle P is moving along a straight line that passes through the fixed point O.
The displacement, s metres, of P from O at time t seconds is given by

$$s = t^3 - 6t^2 + 5t - 4$$

Find the value of t for which the acceleration of P is $3\,\text{m/s}^2$

$t =$ .....

(Total for Question 24 is 4 marks)

TOTAL FOR PAPER IS 100 MARKS

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