

The diagram shows a curve with equation $y = 4x^{\frac{1}{2}} - 2x$ for $x \ge 0$, and a straight line with equation y = 3 - x. The curve crosses the *x*-axis at A(4, 0) and crosses the straight line at B and C.

(a)	Find, by calculation, the x-coordinates of B and C.	[4]
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(b)	Show that B is a stationary point on the curve.	[2]

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