

The diagram shows part of the curve with equation  $y = \frac{4}{(2x-1)^2}$  and parts of the lines x = 1 and y = 1. The curve passes through the points A(1, 4) and  $B(\frac{3}{2}, 1)$ .

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| A triangle is formed from the tangent to the curve at $B$ , the normal to the curve at $B$ and the $x$ -axis. |  |  |
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| Find the area of this triangle.   |  |  |
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