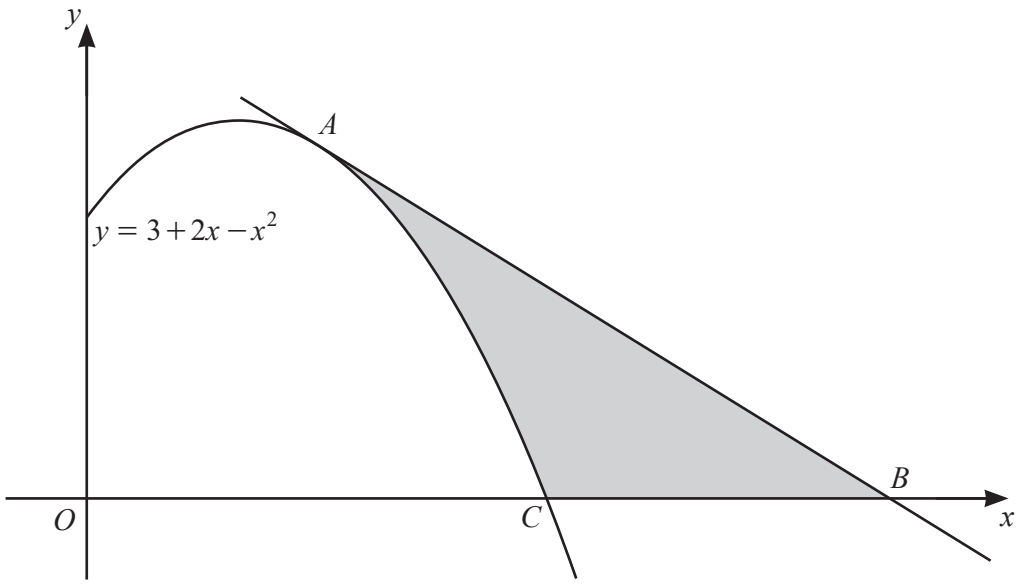
10



The diagram shows part of the curve $y = 3 + 2x - x^2$. The point A lies on the curve and has an x-coordinate of 1.5. The tangent to the curve at A meets the x-axis at B. The curve meets the x-axis at C. Find the area of the shaded region. [10]

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Continuation of working space for Question 10.