



The diagram shows part of the curve with equation  $y = (3x + 4)^{\frac{1}{2}}$  and the tangent to the curve at the point A. The  $x$ -coordinate of A is 4.

- (i)** Find the equation of the tangent to the curve at A.

[5]

[illegible]

**(ii)** Find, showing all necessary working, the area of the shaded region.

[5]

This image shows a full page of white paper with horizontal dashed lines, typical of primary school handwriting practice paper. The lines are evenly spaced and run across the entire width of the page. There are no margins, text, or other markings present.

**[Question 10 (iii) is printed on the next page.]**

- [3]

[illegible]