

- 1 (a)** Express  $x^2 + 6x + 5$  in the form  $(x + a)^2 + b$ , where  $a$  and  $b$  are constants. [2]

[illegible]

- (b) The curve with equation  $y = x^2$  is transformed to the curve with equation  $y = x^2 + 6x + 5$ .
- Describe fully the transformation(s) involved. [2]

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