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- This image shows a full page of primary-ruled paper. It features multiple sets of horizontal dashed lines spaced evenly down the page, providing a guide for handwriting practice. The lines are thin and black, set against a plain white background. There are no margins, text, or other markings on the page.

The object  $ADEB$  is on the point of toppling about the point  $E$  when the object is in the vertical plane with its edge  $EB$  on a smooth horizontal surface.

(b) Find  $x$  in terms of  $a$ .

[3]

This image shows a full page of white paper with horizontal dashed lines, typical of primary-ruled notebook paper. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.