

① Write $0.5\dot{2}\dot{3}$ as a fraction in its simplest form.

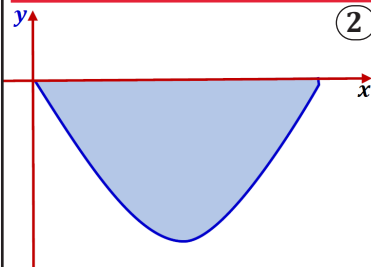
Answer



Green Pen Corrections and Notes

(3)

② The diagram shows a sketch of a vertical cross section through the centre of a bowl. The curve has equation $y = \frac{x^2}{12} - 5x$ where x and y are both measured in centimetres. Find the depth of the bowl

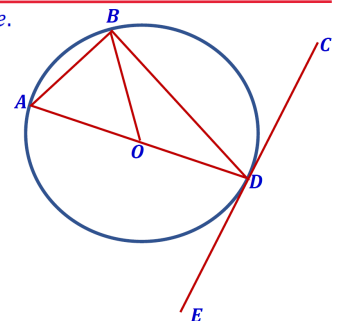


Answer

Green Pen Corrections and Notes

(4)

③ A, B and D are points on the circumference of a circle centre O . EDC is a tangent to the circle. Angle $BDC = 65^\circ$. Find the size of angle AOB . You must give a reason for each stage of your working.



Answer

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(4)