



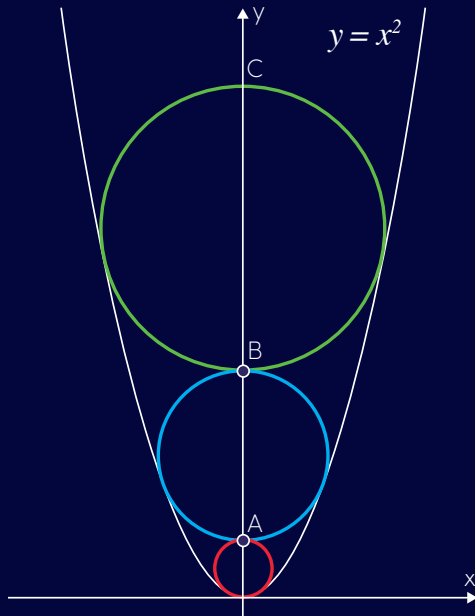
Advanced Mathematics
Support Programme®

AS/A level Mathematics

- The largest circle that touches the origin and is inside the graph of $y = x^2$ is drawn.
- The largest circle that touches the first circle and is inside the graph of $y = x^2$ is drawn.
- The largest circle that touches the second circle and is inside the graph of $y = x^2$ is drawn

What are the coordinates of the points A, B and C (the intersections of these circles with positive y-axis)?

What would happen if this pattern was continued?



AS/A level Mathematics

Whether you're experienced or new to teaching A level Mathematics, the AMSP is an excellent source of information, professional development and resources.

Our professional development includes videos, online courses (live and on-demand), face-to-face courses, and conferences. We also arrange local teacher network meetings, providing opportunities to share and discuss good practice and new ideas with other

A level Mathematics teachers. These are all free or low-cost and, in some cases, subsidised.

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